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# CARROLL COLLEGE CATALOGUE

1919-1920



WAUKESHA  
WISCONSIN

UNIVERSITY OF ILLINOIS

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CARROLL COLLEGE BULLETIN

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# CARROLL COLLEGE CATALOGUE

1919-1920



WAUKESHA  
WISCONSIN

“At the close of his four years in college, the student should ask himself what it means to be educated. It means first of all, that he has learned to read books, choosing them with discrimination; understanding and retaining them. He should have learned how to express, clearly and logically, his own thoughts, both in writing and in speaking. He should be able and ready to participate in discussion, to contribute to conversation and to state an opinion thoughtfully formed. He should know how to listen, as well as to speak, and to comprehend as well as to hear. He should have gained by four years’ study not only knowledge, but even more, insight, wisdom and understanding. He should be able to distinguish facts from fallacies; he should be able to draw an inference from selected data, and by weighing the evidence reach a conclusion; and then have the courage to maintain his conviction. The student should have gained a sense of values; that is, he should recognize what is worth while, and also what things are trivial and negligible.

“The learning of a trade is not in the province of the college student. It is not the business of the college to teach trades; it is not the function of the college to perfect the student in one specialty or in one or two subjects bearing directly upon the earning of a livelihood; the primary purpose of the college is uplift and enlightenment; the leading to higher and better ideals and aspirations; and the building of strong and noble character.”

—From an address by President Houghton, entitled, *The Old and the New*.

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*Voorhees Cottage*  
*President of the College, and Professor of Classical Languages.*  
 B. A., Amherst College, 1901; M. A., *ibid.*, 1904; Ph. D. Johns Hopkins University, 1907; Litt. D., Waynesburg College 1918; LL. D., Ripon College, 1919.
- MAY NICKELL RANKIN, B. O., B. A. . . . . 303 East Ave.  
*Ralph Voorhees Professor of Literary Interpretation*  
 B. O., Emerson College, 1900; B. A., Carroll College 1905.
- HARRY LINN STARR, M. A. . . . . 348 Wisconsin Ave.  
*Professor of English, and Secretary of the Faculty*  
 B. A., Wabash College, 1893; M. A., *ibid.*, 1897.
- JAMES ELCANA ROGERS, PH. D., D. D., LITT. D. . . East Ave.  
*Professor of Philosophy and Education*  
 B. A., Maryville College, 1878; Ph. D., University of Liege, 1886; D. D., Blackburn College, 1889; Litt. D., University of Tennessee, 1890.
- LLOYD SLOTE DANCEY, M. A. . . . . 125 Charles St.  
*Professor of Mathematics and Physics*  
 B. A., University of Illinois, 1907; M. A., *ibid.*, 1908.
- GEORGE IRVING KEMMERER, PH. D. . . . . 139 Laflin Ave.  
*Professor of Chemistry*  
 B. A., University of Wisconsin, 1904; M. A., *ibid.*, 1906; Ph. D., University of Pennsylvania, 1908.
- GRANT STROH, B. A. . . . . 200 E. College Ave.  
*Professor of Biblical Literature*  
 B. A., Lake Forest College, 1889.
- CLARENCE E. SHEPARD. . . . . Oshkosh, Wis.  
*Director of the School of Music, and Professor of Piano and Theory*  
 Studied with Bloomfield-Zeisler, Joseffy, Guilman, and Bauer.

- LAWRENCE SMITH, M. A. . . . . 127 College Ave.  
*Professor of History and Economics*  
 B. A., Clark College, 1915; M. A., Clark University, 1916.
- VERNA LEAN. . . . . West Allis, Wis.  
*Professor of Vocal Music*  
 Graduate of the Wisconsin Conservatory of Music, 1917
- CHARLOTTE J. CIPRIANI, PH. D. . . . . 133 W. College Ave.  
*Professor of Romance Languages*  
 Ph. B., University of Chicago, 1897; Ph. D., University of Paris, 1901.
- WILLARD BOSTWICK MARSH, M. A. . . . . 211 Laflin Ave.  
*Professor of Public Speaking and English*  
 B.A., Hamilton College, 1912; M.A., Princeton University, 1917.
- RAY EDWARD HABERMANN, B. P. E. . . . . Fountain Inn  
*Director of Physical Education for Men*  
 B. P. E., Springfield College, 1919.
- HOMER ALLIN HILL, M. A. . . . . 424 College Ave.  
*Professor of Biology*  
 B. A., Park College, 1897; M.A., University of Missouri, 1902.
- ALICE PALMER MORRIS, B. A., B. O. . . . . 613 Hartwell Ave.  
*Acting Librarian*  
 B. A., Carroll College, 1913; B. O., *ibid.*, 1914.
- MARY H. CUTLER . . . . . Elizabeth Voorhees Dormitory  
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 B. A., Carroll College, 1915.



## ASSISTANTS

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## COMMITTEES OF THE FACULTY

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Library: The President (ch'n), the Librarian, Professors Starr, Smith, Marsh.

Public Exercises: Professor Rogers (ch'n), Professors Rankin, Kemmerer, Cipriani, Hill.

Athletics: Professor Dancey (ch'n), Professors Kemmerer, Smith, Habermann, the President.

Student Activities and Social Affairs: Professor Kemmerer (ch'n), Professors Dancey, Rankin, Smith, Mrs. Cutler.

Christian Work: The President (ch'n), Professors Rogers, Stroh, Dancey, Hill.

## *College Calendar, 1919-1920*

### 1919

September 22 and 23.....	Registration
September 24.....	Opening of the College Year
October 8.....	"Carroll Day"
November 27.....	Thanksgiving
December 20.....	Christmas recess begins

### 1920

January 4.....	Christmas recess ends
February 6.....	First Semester ends
February 9.....	Second Semester begins
February 22.....	Washington's Birthday
March 27.....	Spring recess begins
April 4.....	Spring recess ends
May 30.....	Memorial Day
June 13.....	Farewell Vesper Service, and Baccalaureate
June 15.....	School of Music Recital
June 16.....	Meeting of the Board of Trustees
June 16.....	Presentation of College Play
June 17.....	Final Chapel Service
June 17.....	School of Music Recital
June 18.....	Commencement Exercises
June 18.....	Alumni Dinner
September 13 and 14.....	Registration
September 15.....	Opening of the College Year
October — .....	"Carroll Day"
November 25.....	Thanksgiving
December 23.....	Christmas recess begins

## *Historical Sketch of the College*

Carroll College was originally known as Prairieville Academy; the early name of Waukesha having been Prairieville.

A two-story stone building for academy purposes was begun in 1840, and completed the following year. It was located on Wisconsin Avenue, west of Cutler Park.

The first meeting of the trustees was held January 1, 1844, when the following officers were elected: Peter N. Cushman, President; Alexander W. Randall, Secretary; Morris D. Cutler, Treasurer; Barzillai Douglass, Collector.

In November 1845, the educational work of Prairieville Academy was begun by Eleazer Root, who leased the academy building for seven years, agreeing to finish the basement and enclose the grounds, at his own expense. The name was suggested in honor of Charles Carroll, of Carrollton, one of the signers of the Declaration of Independence. Thus Carroll College takes its place among those educational institutions named for statesmen of the early period of our independence, such as Franklin, Washington, Hamilton, and Jefferson.

Instruction was at first carried on by two men, President Root, and Professor J. W. Sterling. The members of the first Freshman class were Archibald Stewart, Walker L. Bean, Sidney A. Bean, Calvert C. White, and John Howell.

President Root was succeeded by Dr. John W. Yeomans, and he in turn by Dr. R. McCarter, in 1848. In 1850, Reverend J. A. Savage, D.D., of Ogdensburg, New York, was elected President of Carroll College and on October twenty-fourth of the same year he was present at a meeting of the Board of Trustees and personally accepted the position. The administration of Dr. Savage extended through twelve years and formed a most important period in the history of the institution. It was marked by prolonged and faithful effort to bring the college into eminence as an educational institution and to place it upon a sufficient financial basis.

In 1851, the Board of Trustees erected a new building for the college, 74x36 feet, of stone, two stories high, with

attic and central projection front and rear 2x16 feet, and a dome at the center of the roof. This building was a familiar object to residents of Waukesha for thirty-two years.

The Board of Trustees met for the first time in the new college building on January 4, 1853. In January, 1854, the Professors were: Lowman Hawes, Languages; C. B. Chapman, Sciences; Sidney A. Bean, Mathematics. Other members of the faculty of those early days were Professors W. J. Monteith, Edward Daniels, A. B. Bullions, Jesse Edwards, Charles D. Pidgeon and Edward P. Evans.

After various financial struggles and disappointments, instruction was suspended by vote of the Trustees, in December, 1860. Dr. Savage continued his connection with the institution as fiscal agent until 1863. In September of the latter year, Carroll College was reopened as a co-educational college under the direction of the Reverend William Alexander, who was at the same time pastor of the Presbyterian Church. He in turn discontinued instruction after the month of April, 1865.

The Trustees desiring again to revive the institution, appointed a committee, with the Reverend Charles L. Thompson, as chairman, to procure a new president. Through the efforts of this committee the name of Walter L. Rankin, of New Jersey, was brought before the Board and by their unanimous vote on January 27, 1866, the management of the institution was offered to him on his own pecuniary responsibility, the Board promising their good will and co-operation and free use of the building and its equipment, and agreeing to apply to the Presbyterian College Board for an annual appropriation.

Professor Rankin accepted the presidency and came to Waukesha, opening the college as sole instructor, on March 5, 1866. The attendance, at first only fifteen, increased within one year, to eighty. From this date until 1904, Dr. Rankin remained at the head of the institution with the exception of two periods covering three and one half years together, when he accepted professorships, at Pennsylvania College for Women, Pittsburgh, and at Lake Forest College, Lake Forest, Illinois.

The old college building was destroyed by fire on January 29, 1885, the fire breaking out just at the hour when students were gathered and friends were assembling at eleven o'clock in the morning for a service in honor of the Day of Prayer for Colleges. The building was a complete loss, and less than three thousand dollars was realized from insurance. Dr. Rankin and his faculty assembled their scattered forces on the following Monday morning in the basement of the Presbyterian Church, where the college was destined to be domiciled for the ensuing two years. The enrollment had increased, however, to over one hundred students and the numbers were well kept up in the new quarters. Shortly after the fire the Board of Trustees determined to proceed with the erection of a new building, and the financial agent began immediately to raise funds for endowment, incidental expenses, and the new building.

A plan for a twenty thousand dollar building was at first adopted by the Board of Trustees, but this amount was afterwards reduced to fifteen thousand dollars. On January 11, 1887, the new building was completed and occupied by the college. It was regarded as a commanding and attractive edifice and was at that time the architectural pride of Waukesha. It was built of Waukesha limestone rock-faced, three stories and basement, well proportioned and graceful.

During the years between 1886 and 1892, over fifteen thousand dollars were subscribed and paid in cash to the college by four hundred and eighty-five friends. Under Dr. Rankin's presidency the curriculum covered the following grades: Academic—Sub-Junior, Junior, Middle, and Senior; Collegiate—Freshman year only.

Through the efforts of President Rankin, Carroll College was greatly aided by Mr. and Mrs. Ralph Voorhees, of Clinton, New Jersey. In 1898 Mr. and Mrs. Voorhees gave to the institution fifty thousand dollars on condition that an additional fifty thousand dollars be raised. Of this entire sum, thirty thousand dollars were to be used for building purposes while seventy thousand dollars were to be applied to the endowment. Mr. and Mrs. Voorhees, in 1901 and

1902, increased their already generous gift to a total of practically one hundred thousand dollars. Of this amount twenty thousand dollars were for the permanent endowment of the library.

The most substantial result of the securing of this splendid donation was the remodeling of the main college building by an addition to the original structure which more than doubled its capacity. The building at present has a frontage of one hundred thirty-five feet with a depth of forty feet, the addition being thoroughly in keeping with the formal and graceful architectural design of the original. This addition to the main building was only part proof of the liberality and generosity of Mr. and Mrs. Voorhees. In 1906 three new and attractive buildings were brought to completion on the campus. All of them are of Waukesha limestone, rock-faced and form a composite unit of adequate and dignified college buildings.

The three new buildings are the Rankin Hall of Science given by Mr. and Mrs. Voorhees in honor of Dr. Rankin; Elizabeth Voorhees Dormitory, a thoroughly equipped modern home for young women attending Carroll; and Voorhees Cottage, the home of the president of the College.

In the year 1903, it was decided to add the Sophomore year to the College Department of the curriculum, thus raising the institution to the rank of a Junior College. Work in the Preparatory Department was continued throughout Dr. Rankin's administration.

It can be said with all candor that the thirty-seven years of Dr. Rankin's administration were eminently successful; his personality and accomplishment have left a splendid and lasting impress upon Carroll ideals.

Owing to advanced years, in 1903, Dr. Rankin asked to be relieved of his duties as President. The Board of Trustees accepted his resignation with regret, and immediately assumed the task of securing his successor. On January 5, 1904, the Reverend Wilbur Oscar Carrier, D.D., was called from the pastorate of the Belden Avenue Presbyterian Church of Chicago, to the presidency of Carroll College. During the first year of Dr. Carrier's administration the



college status was attained at Carroll, four regular college classes being organized and strictly college work being offered by the various professors. Carroll College was then accepted as a member of the North Central Association of accredited colleges and its work was thus placed on an equal standing with that of its sister colleges in Wisconsin.

President Carrier's administration was unusually successful in the amount of donations and annuities which came to the college. The endowment fund of the College was increased materially. Several cottages in the vicinity of the campus became the property of the College and have since been used for the additional housing of students and for rental purposes.

At the close of an administration of thirteen years Dr. Carrier resigned to enter a field of work in connection with the Presbyterian Church, for which he was eminently fitted.

During one year's inter-regnum Dean Samuel B. Ray, a tried and true friend of Carroll, with the experience of over thirty years as Professor and Dean, was appointed by the Board of Trustees, as Acting President, and the College was maintained at its former high standard of efficiency and scholarship.

During Dean Ray's administration the accumulated indebtedness of the College was entirely absolved through the efforts of the Board of Trustees and other devoted friends of Carroll.

On January 26, 1918, President Herbert Pierrepont Houghton, of Waynesburg College, Pennsylvania, was elected President of Carroll. He assumed his duties on July 1, 1918.



# *Advantages of Carroll*

## ATMOSPHERE OF THE COLLEGE

Carroll College is a Christian College. The Bible is given its rightful place in the curriculum, and the principles of Christianity are inculcated in the chapel services. The members of the faculty are Christian men and women; the atmosphere of the college is religious but not sectarian. Loyal to the trust imposed by the Synod of the Presbyterian Church of Wisconsin, the college seeks to foster spiritual life. Several denominations are represented in the Board of Trustees and in the Faculty. Students of all denominations and those of no definite church affiliation will find at Carroll a cordial welcome.

## CARROLL COLLEGE COEDUCATIONAL

As men and women are intended for mutual service and are associated in all phases of life, the ideal condition for their mental and moral development is best conserved through the policy of coeducation. Young men and women are associated in the class room and in all of the social and literary activities of the college, a system which tends to broaden the sympathies and to awaken true manliness and womanliness.

## LOCATION

Waukesha, a city of about twelve thousand inhabitants, is picturesquely situated in the midst of the rolling country of the Fox River Valley, a country of hills and lakes, of woods and fertile fields. The college buildings stand on the heights in the south part of the city, and command an extended view of a rarely beautiful landscape. The beauty of the surrounding country, the proverbial healthfulness of the locality, and the purity of its far-famed waters make Waukesha a most desirable place of residence. Because of the proximity of Milwaukee many of the advantages of a large city are realized. The moral tone of the community is wholesome, and the people are deeply interested in all educational work. The many churches of

the city offer opportunities of Christian association and culture.

Waukesha is located on lines of three principal railway systems of Wisconsin, the Chicago and Northwestern, the Chicago, Milwaukee and St. Paul, and the Wisconsin Central Division of the Minneapolis, St. Paul and Sault Ste. Marie, and is thus easily accessible from all parts of the state. It is one hundred miles from Chicago, by any of the above-named roads, and twenty miles from Milwaukee. Hourly service to the latter city is provided by the electric inter-urban railway, and frequent service by two steam railways.

### CAMPUS

The campus consists of a wooded tract of fifteen acres on the hills to the south of the Fox River, a most favorable situation for the college. Historic interest attaches to the campus in the presence here of several large Indian effigy mounds and an Indian cornfield.

### EQUIPMENT

Carroll College is well provided with the equipment necessary for the work of a progressive college.

Plans have been made for a consistent and harmonious group of buildings, four of which have been erected and are now occupied. These are all handsome and substantial structures of stone. They are heated from a central steam plant and lighted by gas and electricity.

### MAIN HALL

Of this group the central building is Main Hall, completed in 1900. This is a building of stone, beautiful in appearance and convenient in arrangement. In the basement, or ground floor, are the gymnasium and bath and locker rooms for young men. The first floor contains the offices of the college, the rooms of the music department, and several recitation rooms. The library and chapel occupy the entire second floor. On the third floor are several

recitation rooms and stack rooms for the library. The building is heated by steam from the central heating plant and is lighted by electricity.

### RANKIN HALL OF SCIENCE

The Walter L. Rankin Hall of Science, erected in 1906, through the munificence of Mr. and Mrs. Ralph Voorhees, is devoted principally to the laboratories and recitation rooms of the Departments of Chemistry, Biology, Geology, and Physics. It is thoroughly modern and complete in construction and equipment, and offers most excellent opportunity for scientific work. The edifice is three stories in height with a high basement, making practically four stories. It has a south frontage of 132 feet and is 53 feet deep. It is built of Waukesha limestone and so constructed as to be well protected against fire. All of the rooms are well lighted, ventilated, and heated. The department of Chemistry and Physics occupy the first floor and a portion of the basement. The departments of Biology and Geology occupy the second floor. The third floor contains a large hall for lecture purposes and two halls for literary societies.

### CHEMICAL LABORATORIES

The chemical laboratories are five in number: a laboratory of general chemistry, a laboratory of analytical and organic chemistry, a laboratory for water analysis, a photographic laboratory, and a private laboratory for the instructor in charge. All of these laboratories are located on the first floor of Rankin Hall of Science excepting the laboratory for water analysis, which is located in the basement. Besides these laboratories there is a dark room in the basement for the storage of acids and combustible and volatile chemicals, a general supply room on the first floor, and a balance room. The balance room opens into the laboratory of analytical chemistry, and is well supplied with balances of the best makes.

The equipment of the laboratory of general chemistry is of the most modern and approved construction. It in-

cludes re-agent shelves, balance shelves, air blast, and individual working desks for sixty students. These desks are provided with drawers, lockers, gas, water, and special ventilating tubes. The ventilation of the laboratory is carefully provided for. Pipes are carried from each desk to a fifty-inch steel plate fan in the basement which is driven by an electric motor and discharges into a special flue. Each desk is furnished with a complete set of apparatus, and the laboratory is well supplied with balances, chemicals and apparatus for a thorough course in general chemistry.

The laboratory of analytical chemistry is equipped with desks for thirty-six students. It is supplied with re-agent shelves, air blast, draft-chamber, and the best apparatus for accurate analytical work. The draft-chamber is connected with the exhaust fan. The laboratory opens into a balance room which contains Sartorius and Becker balances.

The laboratory for water analysis contains desks for twelve students. It is provided with chemicals and apparatus needed for mineral and sanitary water analysis.

The photographic laboratory is located on the second floor. It includes a large workroom equipped with desks, tables, and camera stands, and two modern dark rooms equipped with lockers, running water, various safe and printing lamps, and enlarging and copying apparatus.

The store room is well supplied with pure chemicals and apparatus from the best manufacturers. It is open at stated periods for the purpose of supplying students with apparatus which is needed for special experiments.

A preparation room, equipped with chemicals, minerals, technical products, and lecture apparatus for use in the courses in experimental lectures, opens into the lecture room. The lecture table is supplied with gas, water, the electric current, and a fume chamber connected with the exhaust fan.

## MINERALOGICAL LABORATORY

The mineralogical laboratory is equipped with several hundred hand specimens of minerals and crystals for work in descriptive mineralogy. The equipment also includes

celluloid and wooden models of crystals and goniometers for the study of crystallography. The necessary apparatus, re-agents, and minerals in bulk are provided for blow pipe analysis.

### PHYSICAL LABORATORIES

The lecture room and laboratories of the Department of Physics occupy the west end of the first floor, and a portion of the basement, of the Rankin Hall of Science.

The laboratory of general physics is 53 x 24 feet, with a south, west, and north exposure. It is well lighted and is provided with shades of special construction for darkening the room. It contains two large wall cases, which are well supplied with apparatus for use in the study of mechanics, heat, sound, light, and electricity. The laboratory contains an instructor's table and tables for forty students working at one time. These tables are supplied with gas and water, and with electric connections with the large storage battery located in the basement. An office and store room open into this laboratory.

The lecture room opens into the office and store room. It has seats for fifty students and is provided with a lecture table supplied with gas, water, storage battery connections, and direct and alternating current. The room can be darkened at any time, and is provided with a heliostat, stereoptican, and screen. The store room is well equipped with apparatus for class demonstration and illustrated lectures.

In the basement there is a laboratory for advanced work in magnetism and electricity. In addition to a new collection of measuring instruments and a large storage battery there are five dynamos and motors, illustrating both direct and alternating current types of machines. The laboratories are connected with the city electric plant.

### BIOLOGICAL LABORATORIES

The laboratories for biology occupy the greater part of the second floor of Rankin Hall of Science. The laboratory for general biology is a large, well lighted room with desks and lockers for twenty-eight pupils working at one time.



There are two microscope cases with lockers for compound microscopes and cupboards for other supplies. Adjoining this laboratory, is a preparation and general supply room, where imbedding and sectioning may be done. There is an advanced biological laboratory equipped with desks, lockers for eighteen microscopes, and cupboards for other supplies. Just off from this is a darkroom fitted for all kinds of photographic work. It is used also for experiments in plant physiology. A lecture room, accommodating fifty students, is fitted with a stereopticon and screen and can be darkened.

The equipment of these laboratories includes, in addition to the fixtures already referred to, thirty compound microscopes, dissecting microscopes, microtomes for all kinds of sectioning work, including a Minot automatic rotary microtome of the latest model, a sliding microtome of the latest type, drying ovens, paraffin baths, steam sterilizer, camera lucida, stage and eyepiece micrometers, injecting apparatus, animal cages, collecting cases, gas pressure regulator, thermoregulators, balances, and a collection of histological slides of different plant and animal tissues. Glass ware, stains, and re-agents are provided for microscopical, histological, and general laboratory work. A laboratory for general bacteriology is equipped with standard apparatus of the most approved type. The laboratory for experimental biology is well supplied with instruments for the study of vital phenomena in both animals and plants. Recent additions in this laboratory include anthropometric apparatus for the complete and scientific study of the development, strength, and symmetry of the human body.

## GEOLOGICAL LABORATORY

This laboratory occupies the east end of the second floor of Rankin Hall of Science. The equipment includes maps, charts, globes, and rock, mineral, and fossil specimens. Among these are thirty-five folios of the Geological Atlas of the United States; the Topographical Atlas of the United States; the Geological Atlas of Wisconsin; the Daily Weather Maps; and a collection of fifteen hundred rocks, minerals, and fossils.

A voluntary observer's station in connection with the United States Weather Bureau has been established recently at Carroll College under charge of this department. For this work the government has furnished an instrument shelter, maximum and minimum thermometer, and a rain gauge. These are used for meteorological study.

## COLLECTIONS

The college has acquired, by gifts from friends and by purchase, a considerable quantity of interesting and valuable illustrative material, including the following collections: the Miller case of mounted Wisconsin birds; the Haight collection of bird's eggs; the Park collection of Wisconsin woods; the Quaw collection of shells; numerous Indian relics; mounted vertebrates; plaques of mounted insects; and a quantity of geological and paleontological material.

## LIBRARY

The Voorhees Library of Carroll College is supported by an income from the sum of twenty thousand dollars given for the endowment of the library by Mr. and Mrs. Ralph Voorhees of New Jersey, and by special appropriations. The reading room is on the second floor of Main Hall and additional space for books is provided in the stack rooms on the third floor and in Rankin Hall.

The collection includes at present about ten thousand volumes which have been selected with reference to the needs of the several departments and to which additions are made each year. They are completely catalogued and arranged according to the Dewey system of classification. In research work the facilities of the library may be supplemented by those of the public libraries of Milwaukee and Waukesha.

The library is open from 8 a. m. to 5 p. m. except on Saturday when the hours are from 9 to 12 and three evenings a week from 7 to 9.

## ELIZABETH VOORHEES DORMITORY FOR WOMEN

This building is the gift of Mr. and Mrs. Ralph Voorhees, and, at the request of her husband, is named in honor of Mrs. Voorhees. It was planned after a careful study of the most modern dormitories elsewhere, and embodies the best standards of comforts and convenience. Like the other buildings it is of the famous Waukesha limestone. Each floor has spacious halls and is amply supplied with lavatory facilities, and the entire building is heated by steam and lighted by electricity. It is thoroughly up-to-date in all its details, with the appointments of a cultured home. The building has accommodations for eighty girls. Most of the rooms are intended for a single occupant, but some of the large size are designed for two people, and there are a few suites consisting of parlor and two bedrooms.

The dining room is large and cheery, and will accommodate one hundred and sixty persons. On the first floor of the dormitory is a large reception room with parlor adjoining, and suites of apartments for the Dean of Women and the Matron.

Mrs. Cutler presides over the social life and is responsible for the physical and moral welfare of the young women in the home. Everything is done to surround the student with helpful, stimulating influences. There is no unnecessary or annoying surveillance; only such restraints are imposed as are needed to give the atmosphere of a well-ordered home, and to help each young woman to exercise self-control and to develop a well balanced Christian character.

## QUAW COTTAGE

Through the kindness of Mr. and Mrs. Samuel Quaw of Wausau, Wisconsin, the old Hardy home, a handsome house of stone, adjoining the campus on the north, was purchased in the summer of 1915 and added to the equipment of the College.

## VOORHEES COTTAGE

Voorhees Cottage,—like others of the college buildings, the gift of Mr. and Mrs. Ralph Voorhees,—is the home of the President of the College.



## *Admission*

To enter the freshman class of the college, candidates must present a certificate of graduation from an accredited high school, or pass an examination upon the subjects indicated below under the head Requirements for Admission. Testimonials of good moral standing will be required from those who are not personally known to the authorities of the college.

### REGISTRATION

Monday and Tuesday of the opening week of the college year are registration days. By special arrangement, registration may be made before these days. For the second semester students may register during the last week of the first semester.

On registration day the student will present his certificate or other credentials from the school last attended. No assignment to classes shall be made, until the student shall have obtained a matriculation card signed by the President of the college and indicating that the tuition for the semester has been paid. Failure to register at the appointed time will subject the delinquent to a special registration fee of one dollar.

### ADMISSION BY CERTIFICATE

Graduates of accredited schools will, on presentation of a certificate signed by the principal or superintendent, or other authorized officer, be given credit without examination for the work done. Blank forms of application for admission may be secured at any time by addressing the Recorder. They should be filled out and returned by September first.

### ADMISSION BY EXAMINATION

Candidates for admission to the freshman class, coming from high schools not accredited, or having credits that are not entirely satisfactory, may have the privilege of proving themselves worthy of entrance by taking a written examina-

tion. Such examination will be appointed for Monday of registration week.

The courses outlined in the High School Manual of the State of Wisconsin represent in general the character of the work required for admission.

## REQUIREMENTS FOR ADMISSION

The requirements for admission are based upon a preparatory course of four years, with four subjects each year. A year's work in a subject, with five recitations per week, constitutes a unit. For unconditional admission to the freshman class, candidates must offer a total of fifteen units selected from the list given below, the required units being:

English, 2 units.

Mathematics, 2 units.

History, 1 unit.

Science, 1 unit.

### I. ENGLISH

Preparation in English should be such as to accomplish two objects: (1) command of correct and clear English; (2) ability to read with accuracy, intelligence, and appreciation. Such preparation should include a thorough course in composition, and careful reading of classic included in the list of College Entrance Requirements in English.

(a) Review of English Grammar. Composition: simple narratives and descriptions. Literature: English classics. (1 unit).

(b) Composition, written work based upon writer's experience and observation, or upon texts read in class. Literature, English classics, (1 unit).

(c) Rhetoric and composition. Literature, English classics, (1 unit).

(d) Composition. Literature, History of English and American literature. Classics, (1 unit).

## II. GREEK

(a) White's *First Greek Book*; Xenophon's *Anabasis*, Book I, chapters 1-5, (1 unit).

(b) Xenophon's *Anabasis* to the end of Book IV; Homer's *Iliad*, Books I-III; Prose Composition, (1 unit).

## III. GERMAN

(a) Bacon's *German Grammar*; Spanhoofd's *Lehrbuch der deutschen Sprache*; Storm's *Immensee*; or equivalent texts, (1 unit).

(b) Bernhardt's German Composition; Freytag's *Die Journalisten*; Goethe's *Egmont* or Schiller's *Wilhelm Tell*; sight reading of easy fiction, (1 unit).

## IV. FRENCH

(a) Grammar, and translation from French into English and from English into French, (1 unit).

(b) Reading of modern French of average difficulty, chosen from nineteenth century literature. This reading should cover about one thousand pages, (1 unit).

## V. LATIN

(a) Elementary Latin; inflections and constructions. Translations and elementary prose. Outline of Roman History, (1 unit).

(b) Latin Grammar. Caesar's *Commentaries*, four books or an equivalent. Latin Prose Composition, twenty lessons, (1 unit).

(c) Cicero: five orations and selected letters. Latin Prose. Composition completed, (1 unit).

(d) Virgil's *Aeneid*, six books; Mythology, (1 unit).

## VI. MATHEMATICS

(a) Algebra, through quadratic equations of the first degree. Special attention should be given to the use of symbols of grouping, factoring, fractions, simple linear equations and systems of equations with careful analysis of easy problems solved by them, the solution of the quadratic equations and problems involving them, and such theorems in surbs and imaginaries as are necessary in the treatment of the quadratic, (1 unit).

(b) Plane Geometry, as given in Wentworth, or an equivalent text, with original problems, (1 unit).

(c) Solid Geometry, including spherical, with easy original problems, ( $\frac{1}{2}$  unit).

(d) Algebra. Review of the work of the first year with advanced work in ratio, proportion and variation, the progressions, binominal theorem, the graph, and logarithms, ( $\frac{1}{2}$  unit).

## VII. SCIENCE

(a) Physics. One year's work in elementary physics, such as is covered by the standard elementary text-books. At least one-half of the work should consist of laboratory exercises. The laboratory notebook, approved by the instructor under whom the work was done, should be presented by the candidate for admission, (1 unit).

(b) Chemistry. General chemistry, recitations and laboratory work throughout the year. The ground covered should be that of the best chemistry text-books, such as Remsen's Briefer Course. The laboratory note-book, approved by the instructor under whom the work was done, should be presented, (1 unit).

(c) Zoology. One year's study of animal structures, habits and general life history will be accepted, provided that laboratory practice and field work have formed part of the course. Laboratory drawing books must be presented, (1 unit).

(d) Botany. One year's work in structural and systematic botany. Laboratory practice and field work must form an important part of the course. At least 100 hours should be given to laboratory work, besides field work, (1 unit).

(e) Physiography. One year's work. The recitation work should be supplemented by the making and study of maps, and by field work. Tarr's *Elementary Physical Geography*, or an equivalent text, is suggested. A portion of the course, from one-fourth to one-half, may include Commercial Geography, (1 unit).

(c), (d) and (e) may be presented in half units.

## VIII. HISTORY

(a) Ancient History to the year 800 A. D., with special reference to Greek and Roman History, (1 unit).

(b) Mediaeval and Modern History from 800 A. D., to the present time, (1 unit).

(c) A general course in American History or English and American History, (1 unit).

(d) American History and Civics, (1 unit).

## IX

Other high school subjects will be accepted, if a full year's work is offered.

## ADMISSION TO PARTIAL COURSES

Those who are not candidates for a degree may, without examination, enter any class for which they may be found fitted, and thus pursue a partial course. If at any time such students should become candidates for a degree it will be necessary for them to satisfy the entrance requirements.

Students entering college with conditions in preparatory work must first arrange to remove such conditions. While removing conditions, students may take such college work as they may be able to carry, but to be considered in regular college standing they must take at least eleven hours of college work.

### ADMISSION TO ADVANCED STANDING

Students presenting a certificate of honorable dismissal from another college and a definite statement of the amount of work done and the credit received for it may be admitted to advanced standing; but the amount of credit given for the work will depend upon the ground covered and the time spent, and is subject to the judgment of the instructors in the several departments. No college credit will be given for work done in secondary schools except on examination.

### CARROLL COLLEGE AND THE UNIVERSITY

Carroll College and the University of Wisconsin have the same entrance requirements and the same list of accredited schools. Full college credit is given course for course, by the University to students who have pursued studies in Carroll College for two or more years and who desire, at the end of that period, to transfer to the University. Students who include in their course at Carroll the pre-engineering studies can enter the Engineering Department of the University and complete the course leading to the engineering degrees in two years. Students who transfer from Carroll College to the College of Letters and Science in the University, will receive full credit and will be admitted to the Senior class in the University if they transfer at the end of the Junior year. It is desirable that all students remain at Carroll for the four years, thus receiving the benefit of a complete college course in a school not over crowded and offering the advantages of personal supervision.

## STUDENT ADVISERS

At the beginning of the year each student is assigned to a member of the Faculty who acts as his adviser, and keeps in touch with his work in all departments. The adviser may be consulted by the student in reference to anything connected with any of the varied interests of a college student's life, and will transmit to the faculty any request of the student concerning his work that requires consideration by the faculty.



# Curriculum

The curriculum offered in Carroll College is based on the fundamental principle that a *college is a school not for specialization but for general broad culture*. It is desirable therefore, that the student follow studies in all of the great groups of knowledge such as:

- (1) Science and Mathematics.
- (2) History and Economics.
- (3) Philosophy and Education.
- (4) Language and Literature.
- (5) English and Public Speaking.
- (6) Biblical History and Religion.

The student who has followed courses in these various groups will have laid a foundation for further work in the professional schools of Law, Medicine, or Theology. He will be prepared to be a business man; or he can begin specializing investigation in the post-graduate school of a university. The courses are planned with the idea that a college graduate should be broadened intellectually and should be prepared to take his place in life as a citizen and as a scholar.

## GENERAL REQUIREMENTS

Any student who shall have completed the work required for a degree as indicated below and who shall have been in residence at least one year immediately preceding the conferring of such degree, is eligible for graduation.

The college year is divided into two semesters of eighteen weeks each. One hour of recitation or lecture per week for one semester is designated a unit hour. Two hours of laboratory work or two hours of prescribed physical exercise in the gymnasium per week, are credited as one unit hour. Students are expected to take thirty-two unit hours per year



during each of the four years of the college course. No student will be permitted, during one semester, to receive credit toward graduation of more than sixteen unit hours in regular studies except by permission of the Faculty, obtained in advance.

Upon the fulfillment of the requirements for graduation and on recommendation of the Faculty, the degree of Bachelor of Arts, or Bachelor of Science is conferred by the Board of Trustees.

## REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

For the degree of Bachelor of Arts 128 unit hour credits are required. These include:

1. Courses required of all candidates for a degree; and
2. Elective courses.

### I. REQUIRED STUDIES.

The following courses are *required* of all candidates for the degree of Bachelor of Arts:

- (a) English language and literature: Twelve unit hours to be taken in the first two years.
- (b) Foreign language: Twelve unit hours in any one language.
- (c) The Bible: Eight unit hours.
- (d) Philosophy: Six unit hours.
- (e) Mathematics: Six unit hours in the first year.
- (f) History: Six unit hours.
- (g) Natural Science: Ten unit hours in any one science.

## REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE

For the degree of Bachelor of Science 128 unit hours are required. The required subjects are:

- (a) Biology, Chemistry, or Physics. Forty-eight unit hours.
- (b) Twelve unit hours in one of the two remaining sciences.
- (c) Mathematics—sixteen unit hours.
- (d) English—twelve unit hours.
- (e) French, Greek, Latin, or Spanish—twelve unit hours.
- (f) Bible—eight unit hours.

## PRE-VOCATIONAL COURSES

### I. TEACHING

The Department of Education and Philosophy offers a number of courses which are especially adapted to the needs of those who intend to enter the profession of teaching. The student who desires to obtain a thorough preparation for teaching any particular subject may choose that subject as his principal study.

The school laws of Wisconsin provide that graduates of colleges whose courses of study are fully and fairly equivalent to corresponding courses in the University of Wisconsin may receive an unlimited state certificate upon recommendation of the State Board of Examiners. Acting under this provision the State Board has granted state licenses to the graduates of Carroll College. The teacher's course offered here is carefully planned to include all branches of study required by the state.

## II. MEDICINE.

The Departments of Biology and Chemistry offer a number of courses which will be of great value to the student who enters a medical college. The laboratories of these Departments are well equipped and the courses offered are designed to give the student a working knowledge of these sciences. By proper co-ordination of his work here with that of the medical school it is possible for the student to reduce the total number of years required to obtain the degrees of Bachelor of Arts and Doctor of Medicine. Several courses which are suited to the needs of the pre-medical students are described in connection with the Departments of Biology and Chemistry.

## III. LAW

In the courses offered in history, economics, languages, english, and philosophy, will be found adequate preliminary training for the study and pursuit of the profession of law.

## IV. THEOLOGY

Students who expect to enter the ministry should obtain a scientific and historical knowledge of the Bible, and thorough training in Greek, Philosophy, and History. Courses in Theology do not form a part of the college curriculum, but work especially adapted to the student for the ministry is offered in the various departments. Groups of studies adapted to individual needs will be arranged by the heads of the departments.

## V. BUSINESS

The courses offered in Mathematics, History, Economics, Modern Languages, English, and the Sciences may be so combined as to provide preparation for business. Considerable opportunity for practical administrative experience may be found in the conduct of the various student enterprises.

## VI. JOURNALISM

While the college offers no organized course in Journalism yet much of the material of such a course is provided in the work in Languages, History, Economics, and English. Some opportunity for practical experience is provided in connection with the various college publications. Occasional lectures are given by men of experience in the profession.

## VII. ENGINEERING

Students who expect to study engineering should work in Mathematics and Physics or Chemistry. The courses offered in the college include Mathematics, the fundamental sciences, and the modern languages, which form an important part of all Engineering courses. More technical courses, specially adapted to the engineering student, are offered in Mechanical Drawing, Descriptive Geometry, Surveying, Industrial Chemistry, Bacteriology, Mineralogy, Mechanics, and Electrical Measurements.

The courses in Mathematics, Physics, Mechanical Drawing, Descriptive Geometry, Mechanics, Surveying, and Chemistry are so arranged as to enable the student of Engineering to satisfy, during his freshman and sophomore years, the engineering requirements in these subjects of the first two years at the University of Wisconsin. After two years in Carroll College the student may, in two additional years, complete the requirements for an engineering degree. It is recommended however, that he complete his college course before entering a technical school. He may thereby secure additional training of great value to the engineer in the Sciences, in Mathematics, and in commercial subjects.

## VIII. COURSE IN CHEMISTRY

The great demand for technical instruction in the college together with the large opportunities open to the trained chemist in the manufacturing industries, has led to the establishment of a Course in Chemistry. It is the aim of the course to fit students for practical work as chemists in manu-

facturing establishments or technical laboratories. Executive positions in chemical manufactories are frequently filled by chemists who show marked ability for administrative work. Graduates are fitted to enter upon graduate work in chemistry, to teach chemistry, or to take positions as chemists immediately upon graduation.

## *Courses of Study*

The following plans indicating various possible courses of study are suggested for the purpose of aiding the student to choose intelligently the most desirable combinations of studies.

### GENERAL COLLEGE COURSE LEADING TO THE DEGREE OF BACHELOR OF ARTS

#### FRESHMAN YEAR

##### First Semester

1. English I; 2 hrs.
2. Expression I or Public Speaking I; 1 hr.
3. Mathematics I or III; 3 or 5 hrs.
4. Language, 3 hrs.
5. History I; 3 hrs.
6. Science, 5 hrs.
7. Bible I; 1 hr.

##### Second Semester

1. English II; 2 hrs.
2. Expression II or Public Speaking II; 1 hr.
3. Mathematics II or IV; 3 or 5 hrs.
4. Language; 3 hrs.
5. History II; 3 hrs.
6. Science; 5 hrs.
7. Bible II; 1 hr.

#### SOPHOMORE YEAR

##### First Semester

1. English III; 2 hrs.
2. Expression III or Public Speaking III; 1 hr.
3. Mathematics or a Science; 5 hrs.

4. Language; 3 hrs.
5. History or Economics; 3 hrs.
6. Psychology; 3 hrs.
7. Bible III; 1 hr.

#### Second Semester

1. English IV; 2 hrs.
2. Expression IV or Public Speaking IV; 1 hr.
3. Mathematics or a Science; 5 hrs.
4. Language; 3 hrs.
5. History or Economics; 3 hrs.
6. Psychology; 3 hrs.
7. Bible IV; 1 hr.

### JUNIOR AND SENIOR YEARS

The student will elect four or five, three hour courses plus one hour of Bible a week. The studies may be chosen from the several departments, not more than three of the five courses being selected from any one department. Care should be exercised in fulfilling the requirements for the degree as stated on page 31.

## II. COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE

### FRESHMAN YEAR

#### First Semester

1. English I; 2 hrs.
2. Expression or Public Speaking I; 1 hr.
3. Mathematics III; 5 hrs.
4. Science; 5 hrs.
5. Language; 3 hrs.
6. Bible I; 1 hr.

## Second Semester

1. English II; 2 hrs.
2. Expression II or Public Speaking II; 1 hr.
3. Mathematics IV; 5 hrs.
4. Science; 5 hrs.
5. Language; 3 hrs.
6. Bible II; 1 hr.

## SOPHOMORE YEAR

### First Semester

1. English III; 2 hrs.
2. Expression III or Public Speaking III; 1 hr.
3. Mathematics V; 4 hrs.
4. Science; 5 hrs.
5. Language; 3 hrs.
6. Bible III; 1 hr.

### Second Semester

1. English IV; 2 hrs.
2. Expression IV or Public Speaking IV; 1 hr.
3. Mathematics VI; 5 hrs.
4. Science; 5 hrs.
5. Language; 3 hrs.
6. Bible IV, 1 hr.

## JUNIOR AND SENIOR YEARS

The student will elect 28 hours in the science in which he wishes to specialize. He should then choose 32 hours from the various other fields of knowledge, such as psychology, philosophy, education, history and economics, as well as from one of the other sciences not previously taken.



### III COMBINED COURSE IN ARTS AND EXPRESSION

Upon the completion of this course the students will receive the degree of Bachelor of Arts together with a certificate of graduation from the department of Literary Interpretation.

#### FRESHMAN YEAR

1. English I and II; 4 credits.
2. Language; 6 credits.
3. Science; 10 credits.
4. Public Speaking I, II; 2 credits.
5. Platform Art; 6 credits.
6. Expression; 2 credits.
7. Bible; 2 credits.

#### SOPHOMORE YEAR

1. English III, IV; 4 credits.
2. Language (cont'd); 6 credits.
3. History; 6 credits.
4. Psychology; 6 credits.
5. Dramatic Art; 6 credits.
6. Public Speaking III, IV; 2 credits.
7. Expression; 2 credits.
8. Bible; 2 credits.

#### JUNIOR YEAR

1. Public Speaking and Expression; 6 credits.
2. Dramatic Art (Shakespeare); 6 credits.
3. Education; 6 credits.
4. Bible; 2 credits.
5. Electives in various departments; 12 credits.

## SENIOR YEAR

1. Expression (Normal Course); 6 credits.
2. Dramatic Art (Modern Drama); 6 credits.
3. Bible, 2 credits.
4. Electives in various departments; 18 credits.

Students graduating from the Department of Literary Interpretation are required to take 25 hours of private instruction for which a fee of \$50 is charged. Each candidate presents publicly one play in dramatic interpretation. Graduates who return for an additional year of work in the department receive the degree of Bachelor of Oratory.

## IV COURSE IN HOUSEHOLD ARTS.

A certificate in Household Arts will be awarded at the close of two years' study, as follows:

### FRESHMAN YEAR

1. Domestic Science I, II (Cooking, and Sewing); 6 credits.
2. English and Expression; 6 credits.
3. Language; 6 credits.
4. Economics; 6 credits.
5. Science (Chemistry) 10 credits.
6. Bible; 2 credits.

### SOPHOMORE YEAR

1. Domestic Science III, IV (Dietetics, and Physiological Chemistry); 6 credits.
2. English and Expression; 6 credits.
3. Language; 6 credits.
4. Psychology; 6 credits.
5. Science (Biology); 10 credits.
6. Bible; 2 credits.

## *Departments of Instruction*

The work of the college is organized under the following twenty Departments of Instruction:

Biblical Literature.	Biology.
Chemistry.	Economics.
Education.	English.
Greek.	History.
Household Arts.	Latin.
Library Methods.	Literary Interpretation.
Mathematics.	Music.
Philosophy.	Physical Education.
Physics.	Psychology.
Public Speaking.	Romance Languages.

The following departmental statements represent the work which the college is prepared to offer under proper conditions of need and demand. Most of the courses offered are given regularly every year. Some of the courses are given in alternate years, and a few at longer intervals. The arrangement is such, however, that a student may obtain during the normal period of college residence any course he may need or desire.

All studies are scheduled three hours a week unless otherwise indicated.

### DEPARTMENT OF BIBLICAL LITERATURE.

#### PROFESSOR STROH

Apart from its moral worth the intellectual and cultural value of the Bible is sufficient warrant for its place in the curriculum of a liberal college. In this department at Carroll the text-book is the English Bible. Methods of Instruction are employed which are best adapted to the needs of college students.

Eight semester hours of Bible are required for graduation.

1. An introductory course. Two hours a week during the first semester. Required of all Freshmen.

A rapid study of the Pentateuch, supplemented by special lectures upon Bible themes of general interest, such as:

(1) The Structure of the Bible, (2) Our Bible and other Bibles, (3) The Origin of the Bible, (4) The Inspiration of the Bible, (5) How to Enjoy the Bible, (6) The Bible as a Revelation.

2. Two hours a week during the second semester. Required of all Sophomores.

(a) The Theocratic Kingdom. History of the Chosen People in the Chosen Land; period of conquest and national development; times of the Judges; rise of the monarchy; the Northern Kingdom and its downfall; the Southern Kingdom—its apostacies, revivals and punishments; the Babylonian exile; return and reconstruction. Also sidelights upon this period from the historical Psalms and the Prophets.

(b) Matthew, or the Gospel of the Kingdom. James, or the practical application of the Gospel.

4. Two hours each week. Second semester. Required of all Juniors.

(a) Selected Poetical and Prophetical books. Studied for their literary value as well as for their reflection of the religious, social and political life of the nation.

(b) The Gospel according to John, or a study of the Person of Christ. The Book of Acts, or the beginnings of Christianity.

5. Two hours each week. Required of Seniors. First semester.

(a) Selected Epistles. Romans, or God's way of saving people. Hebrews, or the supremacy of Christ. Ephesians, or Christ and the Church.

(b) Daniel, or the great world-kingdoms. Revelation, or the unveiling of the future.

7. Two hours each week. First semester. Elective for Juniors and Seniors. Comparative Religion. A comparison and contrast of other great religions with Christianity.

## DEPARTMENT OF BIOLOGY

### PROFESSOR HILL

1. General Biology. A course presenting the fundamental laws of Biology, illustrations being drawn from the animal and plant world. Given the first Semester every year.
2. (a) Invertebrate zoology. A systematic study of the morphology and physiology of a representative series of invertebrates. Given 1919-20 and thereafter on alternate years.  
(b) Morphology of plants (Cryptograms). Given 1920-21 and thereafter on alternate years.
3. Bacteriology. A general course preparatory to further work in medicine, agriculture, or sanitary engineering. Given every year.
4. Human Physiology. Given every year.
5. (a) Comparative Anatomy of Vertebrates. Given alternate years.  
(b) Plant Morphology (Phanerogams). Given alternate years.
6. (a) Vertebrate Zoology. A systematic study of a representative series of vertebrates. Given alternate years, beginning 1920-21.  
(b) Plant Ecology and Plant Physiology. A general course dealing with the physiological structures of plants and adaptations to their natural habitat. Given alternate years.

7. Heredity and Eugenics. A review of recent experimental work and conclusions bearing on the laws of heredity. Three lecture periods, no laboratory work. Given every year.
  8. Embryology. A course in animal embryology with the laboratory work based on the chick and the pig. Given every year.
- N.B. In each course except number seven there are three lectures and two, three hour, laboratory periods per week. Five unit hours per semester. Laboratory fee \$2.50 per semester.

## DEPARTMENT OF CHEMISTRY

PROFESSOR KEMMERER

1. General Chemistry.  
Chemistry of the non-metals. Two lectures, one recitation and six hours laboratory work per week. Five unit hours.
2. General Chemistry (*Continuation of Course 1*).  
Chemistry of the metals with laboratory work in Qualitative Analysis. Two lectures, one recitation and six hours laboratory work per week. Five unit hours.
4. Qualitative Analysis.  
The analysis of mixtures, compounds and minerals for acids and base forming elements. To be taken with course 2. Six hours laboratory work per week. Two unit hours. Prerequisite course 1.
5. Quantitative Analysis.  
Gravimetric and volumetric analysis. One class and six hours laboratory work per week. Three unit hours. One class and twelve hours laboratory work per week. Five unit hours. Prerequisite course 4.

6. Advanced Quantitative Analysis.

The analysis of rocks, minerals, ores, water, cement, fuel, steel, alloys and other technical inorganic products. Prerequisite course 5. Credit in proportion to work completed.

7. Technical Gas, Fuel and Oil Analysis.

Laboratory work, assigned reading and conferences. Prerequisite course 5. Credit in proportion to work completed.

8. Technical Analysis.

The rapid and accurate determination of any material studied in course 6 or 7. Twenty accurate determinations in 5 hours will be required. Credit in proportion to work completed.

9, 10. Organic Chemistry.

A systematic study of the aliphatic and aromatic compounds of carbon. Two lectures, one recitation, six hours laboratory work per week. Prerequisite course 1 and 2. Ten unit hours. Offered 1918-19 and alternate years.

11, 12. Physical Chemistry.

Two lectures and three hours laboratory work per week. Prerequisite course 5. Offered 1919-20 and alternate years. Six unit hours.

13, 14. Industrial Chemistry.

Two lectures per week with recitations and one inspection trip per month. Prerequisite course 7, 1 and 2. Offered 1919-20 and alternate years. Four unit hours.

15. Inorganic Preparations.

A laboratory course in the preparation of typical inorganic compounds and elements. Credit in proportion to work completed.



16. Food Analysis.

One class and six hours laboratory work per week. Three unit hours. Additional credit in proportion to the work completed. Prerequisite course 5, 9 and 10.

17. History of Chemistry.

A reading and conference course. Two unit hours.

18. Research Work.

Required of all candidates for the Bachelor of Science in Chemistry. Reading and laboratory work. The results must be presented in a thesis according to requirements on page ???. Minimum four unit hours. Extra credit in proportion to work completed.

19. Physiological Chemistry.

One lecture and six hours laboratory work per week. Prerequisite courses 5, 9 and 10. Three unit hours.

20. Photography.

The chemical and physical study of practical photography. Two lectures and three hours laboratory work per week. Three unit hours. Prerequisite course 1 and 2.

## DEPARTMENT OF ECONOMICS

PROFESSOR SMITH

1, 2. Principles of Economics.

The fundamental principles of economics; definition of terms; theory of value; production, consumption, and distribution; present economic problems, such as wages, labor unions, trusts, monopolies, tariff, taxation, immigration, and social reforms. Three hours a week through the year; alternating course with Economics 3, 4.

### 3, 4. Banking and Finance.

The principles of money and credit; evolution, functions, and forms of money; the monetary system of the United States together with the history and development of the national bank; the Federal Reserve; foreign banking systems and international banking; Federal, state, and municipal taxation and expenditure; methods of taxation; the budget, public debts; problems of adjustment between local, state, and national governments. Three hours a week through the year; alternating course with Economics 1, 2.

## DEPARTMENT OF EDUCATION

PROFESSOR ROGERS

### 1, 2. Psychology.

A study of sensation, perception, attention, association, memory, reasoning, feeling, instinct, emotion, and will, with particular reference to the applications of psychology to education and the learning process. Three hours a week through the year; required of Sophomores. Texts: Angell, James, Pillsbury.

### 3, 4. Education.

A study of the history of education; ancient and mediaeval education; the evolution of modern educational theory and practise; history of the American public school system, and study of contemporary administration. Readings in Bacon, Comenius, Locke, Rousseau, Pestalozzi, Froebel, Herbart, Spencer, and others. Three hours a week through the year. Required of all who intend to teach. Text: Monroe, *History of Education*.

(Course 3, 4 to be given alternate years with a course in the Principles of Secondary Education).

## DEPARTMENT OF ENGLISH

PROFESSOR STARR, PROFESSOR MARSH

### 1, 2. Rhetoric and Composition.

A thorough review of the principles fixed by good usage and practiced in clear writing. The purpose of this course is to develop the accurate statement on paper of precise thought. The etymology and meaning of words, phrasing, sentence structure, paragraphing, and the technical features of lucid writing will receive attention. Selections from English authors for especial analysis and general reading. Students will be given work to familiarize them with the College Library. Oral discussion and composition; weekly themes.

Woolley: *Handbook of Composition*; Baldwin: *Composition, Oral and Written*. First and second semesters. Required for all freshmen. Two hours a week.

Professor Marsh.

### 3, 4. History of English Literature.

A survey of the development of the English language and of the history of English literature, with study of individual authors and representative works. Collateral reading and individual reports on assigned topics are required. The relation of the literature to the history of the country is emphasized throughout.

First and second semesters. Two hours. Given every year.

### 5, 6. Advanced Composition.

A course, following English 1, 2, intended to develop further the practice of careful research and the power of clear and accurate presentation. It involves extensive reading of the best English and American prose, and leads to a variety of exercises, such as abstracts, reports, technical and historical papers, criticisms, personal essays, etc. The work of the course is related to the practical problems of expression and especially to the interest and need of those inclined toward journal-

ism as a profession. Much of the material of the course is taken from the best current and periodical literature. First and second semesters. Three hours. Given alternate years.

7, 8. English Prose.

A study of the principles of expression based upon the work of the best prose writers, English and American. This course is designed to enlarge the student's acquaintance with the masterpieces of prose literature, to bring him into contact with the finer elements of style, and to promote the development and application of correct standards of criticism and expression.

First and second semesters. Three hours. Given alternate years.

9. Elementary Old English.

A grammatical and phonological study of Old English, with readings from Anglo-Saxon prose and poetry. Periodic lectures on the history of the English language and on Old English literature.

Smith: *Old English Grammar*; Bright: *Anglo-Saxon Reader*. Elective for Juniors and Seniors. Three hours a week.

Professor Marsh

10. Middle English.

Chaucer and his contemporaries. This course includes the reading of *The Pearl*, Langland's *Piers Plowman*, and selections from Chaucer's *Canterbury Tales*. Lectures on 14th century England; especial reference to romance literature. MacCracken: *The College Chaucer*; Skeat: *Piers, the Plowman*; Osgood: *The Pearl*.

Elective for Juniors and Seniors. Three hours a week. Course 9, prerequisite.

Professor Marsh.

(Courses 9, 10, given in 1919-1920 and in alternate years)

## 11, 12. American Literature.

A study of American literature, both prose and poetry, with special emphasis upon its relation to American life and thought, and to contemporary English literature. Consideration of American periodical literature including the newspaper, forms a part of this course. First and second semesters. Three hours.

## 13, 14. The Essay.

A study of the development of the Essay as a definite literary form, with reading of the works of the principal essayists, especially of recent and contemporary writers and attention to the development of English prose style and to literary criticism.

First and second semesters. Three hours.

## 15, 16. Poetry of the Nineteenth Century.

Reading of the poetry of England and America, with lectures and reports on individual topics. A study of the principles of poetics.

First and second semesters. Three hours.

## 17, 18. The Novel.

A survey of the development of narrative literature, with special reference to the modern novel and the short story. Extensive reading and analysis of selected works. First and second semesters. Three hours.

## 19, 20. Contemporary Literature.

Reading, lectures, and reports in connection with the most important works in the literature of the day, including the magazines and other forms of periodicals literature. This course may be given in combination with other courses.

First and second semesters.

## 21. Advanced Old English.

Selections from Old English Pagan and Christian epic poetry will be read. *Beowulf* may be translated in entirety, or parts of this poem together with selections from the Cynewulfian school may form the basis of study. Some time will be given to lectures on critical topics and on the beginnings of English culture. Wyatt: *Beowulf*. Elective for juniors and seniors, first semester, 3 hours. Prerequisite, Course 9. Offered in 1920-1921 and in alternate years.

Professor Marsh.

## 22. Spenser and Milton.

The effect of the Renaissance upon English letters and the awakening of a national spirit under Tudor reign. A study of Milton in relation to his time and his significance in literary history. Several books of Spenser's *Faerie Queene* together with much of Milton's poetry, his *Letter on Education*, and his *Areopagitica* will be assigned for reading. Collateral reading and a paper of considerable length will be required of each student. Elective for juniors and seniors. Second semester, 3 hrs. Offered in 1920-1921 and in alternate years.

Professor Marsh.

## DEPARTMENT OF GREEK

PRESIDENT HOUGHTON

### 1. Beginning Greek.

Burgess and Bonner, *Elementary Greek*, the first forty lessons, with special attention to forms and syntax.

### 2. Beginning Greek.

The remaining twenty lessons in Burgess and Bonner with special attention to vocabulary and writing Greek;

selections from the *Anabasis* of Xenophon. Text: Mather and Hewitt.

(Course 1, 2 is given every year).

3. Greek Literature.

The *Apology*, *Crito*, and parts of the *Phaedo* of Plato will be read. Text: Dyer-Seymour. Outside reading in Benn, *Greek Philosophers*; Pater, *Plato and Platonism*.

4. Greek Literature.

Selected books of the *Iliad* or *Odyssey* of Homer; study of metre. Outside reading in Seymour, *Life in the Homeric Age*; Jebb, *Homer*.

(Course 3, 4 is given every year).

5. Greek Drama.

The *Agamemnon* of Aeschylus will be read in class. Text: Sidgwick. Reading of the *Choephoroe* and the *Eumenides* in Blackie's verse translation. Outside reading in Haigh, *The Attic Theatre*.

6. Greek Drama.

*The Iphigeneia among the Taurians*, of Euripides will be read in class. Text: Flagg. Reading of the *Iphigeneia in Aulis* and the *Electra* in Way's translation. Outside reading in Decharme, *Euripides and the Spirit of his Dramas*.

(Course 5, 6 is given alternate years).

7. The Epic.

The greater part of the *Iliad* of Homer will be read, with special attention to the last nine books. Text: Leaf and Bayfield. Outside reading: Murray, *The Rise of the Greek Epic*.



8. The Odes of Pindar.

Selections from the *Olympian* and *Pythian Odes* will be studied in class. Text: Gildersleeve. The entire collection, including the *Nemean* and *Isthmian Odes* will be read in Myer's prose translation.

(Course 7, 8 is given alternate years).

## DEPARTMENT OF HISTORY

PROFESSOR SMITH

1, 2. Modern and Contemporary European History.

A brief survey of Medieval Europe is followed by a more intensive study of the chief movements in modern times, such as the French Revolution, the Industrial Revolution, the growth of Democracy in Western Europe, the rise of the spirit of unity in Germany and Italy, and modern imperialism. The work of the second semester is similar to the War Issues Course as given in 1918-19: fundamental causes of the Great War, its historical background, a survey of the events of the war, why the United States entered it, brief studies of the political and military leaders, the peace conference, and reconstruction.

Required of freshmen; elective for all other students. First and second semesters. Three hours. To be given 1919-20.

3, 4. United States History—National Period.

A survey of the history of the United States from the end of the Revolution to the present time. Emphasis is placed upon such topics as the critical period, formation of the Constitution, the growth of democracy, westward expansion and life, economic and cultural development, life in the old South, the Civil War and reconstruction, evolution of the Democratic and Republican parties, the new economic problems, the Panama

Canal, relations with South America, Mexico and Europe legislation of the Wilson administration, and the United States in the World War. Elective for all students. First and second semesters. Three hours. Given 1918-19; to be given 1919-20.

5, 6. English History.

A general course in the history of England up to the present day. Greatest stress is placed upon modern England and particularly upon the larger developments such as the growth of the Empire, the Industrial Revolution, and the progress of democracy. England's part in the Great War is the final subject of study. Elective for all students except freshmen. First and second semesters. Three hours. To be given 1919-20. Alternates with Histories 7 and 8.

7. Contemporary American History.

An intensive study of American History from the end of the Civil War to the present time. The course is concluded by a thorough consideration of contemporary problems and conditions.

Pre-requisite, History 3-4. Elective for juniors and seniors. First semester. Three hours. To be given 1920-21.

8. Contemporary European History.

An advanced course in the history of Europe since 1862. Pre-requisite, History 1, 2 or War Issues. Elective for juniors and seniors. Second semester. Three hours. To be given 1920-21.

## DEPARTMENT OF HOUSEHOLD ARTS

MISS GUTHEIL

1, 2. Beginning Sewing.

Course in beginning work in sewing, with drafting of patterns, and making of garments. Four hours throughout the year.

3, 4. Cookery.

Study of food principles, their cookery, preparation, and food values, and planning and serving of simple meals. Four hours laboratory, including lecture and recitation throughout the year. Two unit hours.

5. Food Study.

Two hours lecture per week.

6. Textiles.

Two hours lecture per week.

7, 8. Millinery and Art Needlework.

Study and making of hats, and problems in art needlework, knitting, embroidering, etc. Three hours laboratory. One unit hour.

9, 10. Advanced Cookery.

Advanced work in cookery, planning of meals, and study of invalid cookery. Four hours laboratory, including lecture. Two unit hours. Courses to be introduced 1920-21.

11. Dietetics.

Two hours lecture per week. Three hours laboratory.

12. Interior Decoration.

Two hours lecture per week.

13, 14. Dressmaking and Costume Designing.

Four hours per week.

A fee of \$5.00 is charged to all students in cookery. The Home Economics Department has been reorgan-

ized and is being carried on under the direction of Miss Eva Gutheil, a graduate of The Stout Institute. The laboratory, located in Rankin Hall of Science, is splendidly equipped and accommodates twenty-four students. A complete course in Home Economics is offered, while the separate courses are optional for students majoring in other work.

## DEPARTMENT OF LATIN

### PRESIDENT HOUGHTON

#### 1, 2. Beginning Latin.

This course is planned for students who have not had Latin in high school. A thorough study of Latin grammar is followed by a reading of the first two books of Caesar's *De Bello Gallico*.

First and second semesters. Three hours. Given 1919-20.

#### 3, 4. Cicero and Virgil.

Six orations of Cicero and six books of Virgil's *Aeneid*, are read. This course is provided for those students who enter with two years of Latin.

First and second semesters. Three hours. Given alternate years.

#### 5. Cicero and Livy.

Cicero: *De Amicitia*, and *De Senectute*.

Livy: Selections from Books XXI and XXII.

First semester. Three hours. Given 1919-20.

#### 6. Horace and Tacitus.

Horace: The *Odes* and selected *Satires*.

Tacitus: *Germania*, and *Agricola*.

Second semester. Three hours. Given 1919-20.

#### 7. Elegiac Poets.

Catullus, Tibullus and Propertius.

First semester. Three hours. Not given 1919-20.

8. Lucretius.

Introductory lectures on Greek and Roman philosophy.  
*De Rerum Natura*, Books I, III, and V.

Second semester. Three hours. Not given 1919-20.

## LIBRARY METHODS

MRS. MORRIS

1, 2. Library Methods.

This course is especially designed to enable those who are preparing for teaching to organize school libraries and to direct reference work. In addition to a systematic study of the resources of a library, particular attention is given to methods of classification, cataloging and general library administration.

Open to juniors and seniors. Two hours throughout the year.

## DEPARTMENT OF LITERARY INTERPRETATION

PROFESSOR RANKIN

1, 2. Oral English.

Expressive reading and extemporaneous speaking.  
Text: *Readings from Literature*, Halleck and Barbour.  
One hour. Required of freshmen girls.

3, 4. Oral English.

Extemporaneous speaking. Text: *English Composition for College Women*, Moore, Tompkins & MacLean.  
One hour. Required of sophomore girls.

5, 6. Platform Art.

Story telling, interpretation of literature, repertoire.  
Texts: *How to Tell Stories to Children*, Sara Cone Bryant; *Evolution of Expression*, Charles W. Emerson.  
Three hours. Elective.

- 7, 8. Normal Course in Literary Interpretation and Public Speaking.

Study of high school problems. Practice in teaching story telling, literary interpretation, extemporaneous speaking, debate, repertoire, staging of plays, physical culture, voice culture, phonics. Three hours. Elective.

9. Dramatic Art.

Shakespeare. Intensive study of two plays with dramatic presentation of scenes. Hamlet, Much Ado About Nothing. First semester. Three hours. Elective.

Text: Hudson edition of Shakespeare, Revised.

10. Dramatic Art.

Modern drama. The one-act play. Study of the Little Theatre Movement.

Second semester. Three hours. Elective.

- 11, 12. Voice Training.

Exercises for freeing and enriching the voice. One hour. Elective.

- 13, 14. Shakespeare.

History of the classic drama and of English drama from the beginning to 1642 when the theatres were closed. Reading of six Greek and Latin plays; of plays typical of the development of English drama; of all of Shakespeare's plays. Study of the dramatic art and the ethical problems of the plays. Texts: *Development of the Drama*, Brander Matthews; *Introduction to Shakespeare*, McCracken, Pierce and Durham. *Oxford edition of Shakespeare*, one volume. Collateral reading: *Playmaking*, William Archer. Three hours. Elective. Given in 1919-20. 1921-22.

- 15, 16. Modern Drama.

Continental drama. Scandinavian, Belgian, French, German, Russian, Spanish drama. Ibsen, Bjornson, Strindberg, Maeterlinck, Sardou, Scribe, Augier, Rostand, Brioux, Hervieu, Hauptmann, Sudermann, Tchekhov, Echegaray. Texts: *Continental Drama of To-*

day, Barrett Clark; *Chief Contemporary Dramatists*, Thomas Dickinson. British and American drama. Jones, Pinero, Barker, Wilde, Galsworthy, Phillips, Parker, Shaw, Masfield, Barrie, Francis, Yeats, Synge, Lady Gregory, Lord Dunsany. Howard, Gillette, Fitch, Thomas, Moody, Belasco, MacKaye, Sheldon, Crothers.

Texts: *British and American Drama of Today*, Barrett Clark; Collateral reading: *Technique of the Drama*, George P. Baker. Three hours. Elective. Given in 1920-21.

## DEPARTMENT OF MATHEMATICS

PROFESSOR DANCEY

### 1. Algebra.

The course begins with a review of various subjects of elementary algebra, with stronger requirements in matters of development than is possible in a beginning course. The more advanced work may include the progressions, ratio, proportion and variation, binomial theorem, logarithms, series, probability, graphical representation, and solution of equations. Required of freshmen. First semester. Three hours.

### 2. Trigonometry.

Students taking this course must have completed plane geometry. The co-ordinates of a point and their relation to the change of angle at the point of origin are first presented, then the function of an angle and thorough drill upon equations involving the functions, and the application of these equations to the solution of the right triangle, with and without the use of logarithms. The development of formulas used in the solution of all triangles receives especial attention. Required of freshmen.

Second semester. Three hours.



- 3, 4. Algebra, Trigonometry and Analytical Geometry.  
A year course co-ordinating material from algebra, trigonometry, analytical geometry and the elements of differential calculus. Much attention is given to graphical methods. The sketching of algebraic and transcendental functions, and logarithmic plotting of empirical data with interpretation of results, forms an important part of the work. The course includes practice in the use of the slide rule and numerous practical problems with applications to engineering, physics, surveying and gunnery. This course forms the ground work for the further study of the calculus. Four recitations per week throughout the year. Five unit hours.
- 5, 6. Differential and Integral Calculus.  
A course in the fundamental processes of differentiation and integration with the applications of these processes to scientific problems. Three recitations per week throughout the year.  
Prerequisite, Mathematics 3, 4.
7. Advanced Calculus.  
This course is a continuation of courses 5, 6. Emphasis is placed upon the solution of problems involving the definite integral, the use of the polar planimeter, and the elements of differential equations.  
Three unit hours. Prerequisite, Mathematics 5, 6.
8. Differential Equations.  
The integration of the various classes of differential equations with applications to problems in geometry and the physical sciences.  
Three unit hours. Prerequisite, Mathematics 7.
9. Theoretical Mechanics.  
See Physics 10.

10. Descriptive Geometry.

Problems relating to point, line and plane, lines and surfaces, tangent planes, intersections, developments, shades and shadows. The course requires four hours in the drawing room and two recitations per week. Text: Miller's *Descriptive Geometry*.

Three unit hours.

11, 12. Mechanical Drawing.

This course presents the elements of machine drafting. Instruction is given in the use of instruments, lettering, sketching machine parts, working drawings, tracing, and blue-printing. Students are required to provide themselves with instruments of good quality. Text book, *Mechanical Drawing* Phillips and Orth.

First and second semesters. Six unit hours.

13, 14. Surveying.

Lectures, recitations, field and office work in the theory, care, use and adjustments of instruments, in the platting of areas and profiles, and in the making of topographic maps. The field work includes the use of the chain and tape, determination of areas with tape and transit, differential and profile leveling, running of lines and traverses, triangulation, use of the plane table, observation on the sun and Polaris, and the use of the stadia.

A careful study is made of the United States land survey methods. Problems are assigned in farm surveying relocation of boundaries, partition of land, etc. Text, Johnson's *Surveying*. Smith, *Surveying Manual*.

First and second semesters. Six hours of field work two recitations per week. Six unit hours. Prerequisite trigonometry.

## DEPARTMENT OF MUSIC

PROFESSOR SHEPARD, PROFESSOR LEAN, MISS LAU, MISS KUEHN, MISS LEVINE.

Students in the college have an opportunity of electing certain work in music which has recognized cultural and scholarly value. A maximum credit of thirty unit hours in Theory, History of Music, Appreciation of Music and related subjects may be allowed toward the degree of Bachelor of Arts.

A further presentation of the work in music may be found under the statement of the School of Music on page 82.

### 1a, 2a. Harmony.

Elementary course. Music notation, knowledge and use of the various clefs, the principle of transposition; keys, scales, signatures, intervals, triads and their inversions, chords of the seventh, and harmonization of melodies and figured basses. First and second semesters. Two hours.

### 1b, 2b. Key-board Harmony.

The practical application of the work in Harmony 1a, 2a. The playing of scales, chords, chord progressions, modulation, and the harmonization of melodies and figured basses, and transposition at the piano. First and second semesters. One hour.

### 1c, 2c. Ear-Training and Solfeggio.

A course correlated with the course in Harmony 1a, 2a. The dictation and singing of scales, intervals, chords, chord progressions and modulation. First and second semesters. Two hours.

### 3a, 4a. Harmony.

Advanced course. Study of chord relationships, and progressions, modulation, altered chords, enharmonic changes, suspension, ornamental tones, organ point, melodic figuration and accompaniment. The work

is done through the harmonization of melodies and figured basses.

First and second semesters. Two hours.

3b, 4b. Key-board Harmony.

Continuation of Course 1b, 2b.

3c, 4c. Ear-Training and Solfeggio.

Continuation of course 1c, 2c.

First and second semesters. One hour.

5, 6. Counterpoint.

Supplying two, three, or more additional voices in the five orders of counterpoint to choral melodies and other canti firmi.

First and second semesters. Two hours.

7, 8. Counterpoint; Canon and Fugue.

Double counterpoint in three, four, or more parts. The study and writing of canons in the various intervals, and of figures in three and four voices, with careful study of the works of Bach and other contrapuntal masters.

First and second semesters. Two hours.

9, 10. Composition.

Practice in the homophonic forms of composition. Phrase and period formation, song forms, dance forms, conventional styles of composition, and the sonata form. First and second semesters. Two hours.

11, 12. Practical Musicianship.

A course designed to enable students of music to make their theoretical knowledge directly applicable to the interpretation of music.

First and second semesters. One hour.

13, 14. History of Music.

A general survey of musical history from its crudest to its most perfect forms, with illustrations and lectures.

First and second semesters. One hour.

15, 16. Harmonic Analysis.

Analysis in detail of the harmonic and contrapuntal structure of examples from the composition of classical and modern composers. First and second semesters. Two hours.

17, 18. Musical Forms and Analysis.

A study of the development of vocal and instrumental music and the analysis of its construction from the simple phrase to the more complex forms such as the sonata and symphony, with illustrations from classical and modern composers. First and second semesters. Two hours.

19, 20. Musical Forms and Analysis.

A continuation of course 17, 18 with complete analysis of the greater compositions—Mozart, Beethoven, Mendelssohn, and of the fugues of Bach. First and second semesters. Two hours.

21, 22. Musical Appreciation.

Lectures on the growth and development of music and its relation to the other arts and literature. The analysis of music forms and a general survey of musical literature with illustrations, vocal and instrumental. This course requires no previous knowledge of music and is open to students in all departments of the college. First and second semesters. One hour.

23, 24. Ensemble Playing and Singing.

First and second semesters. One hour.

25, 26. Public School Music.

First and second semesters. Two hours.

27, 28. Public School Music.

First and second semesters. Two hours.

29, 30. Normal Methods in Piano.

First and second semesters. Two hours.

31, 32. Normal Methods in Voice.

First and second semesters. Two hours.

## DEPARTMENT OF PHILOSOPHY

PROFESSOR ROGERS

### 1. Logic.

This course considers deductive and inductive logic with a criticism of various theories of knowledge. Special attention is directed to the analysis of logical arguments and to the detection of fallacies in reasoning. Logic is shown to be an instrument in the formation of new ideas and new knowledge through contact with the world of experience.

Three hours a week, first semester. Given every year.

### 2. Ethics.

A historical and critical study of ethical theories, the psychology of ethics and the relation of ethics to religion. This is a descriptive and genetic consideration of moral ideas and practices in different civilizations at various stages of their development and their relation to present social problems.

Three hours a week, second semester. Given every year.

### 3, 4. History of Philosophy.

Ancient, mediaeval and modern philosophy. A review of the development of philosophical thought from the early Greeks and Orientals to the present. The dif-

ferent philosophical systems are presented in their relation to the civilization of which they are a part and an estimate is made of their social, political, and religious significance.

Three hours a week. Given every year.

## 5, 6. Philosophy.

General introduction, philosophical problems, and recent tendencies. A study of the deeper permanent problems of nature, mind and life, with some solutions of them taken from ancient and modern systems. A critical comparison is made of materialism, idealism, and pragmatism.

Three hours. Given every year.

## 7, 8. Religion.

The history, comparison and philosophy of religion. A study of the origin and growth of religion, a comparison of the great systems in their doctrines of God and man, sin, salvation, worship and service, of death and immortality; and an endeavor to find the ultimate meaning of man's religious nature.

Three hours. Given alternate years.

## 9, 10. Christian Theism.

A study of the arguments for belief in the being, nature, and attributes of God, and for faith in the fact and trust-worthiness of His self-revelation; with a criticism of some anti-theistic theories.

Three hours. Given alternate years.

## 11, 12. Sociology.

General sociology, problems of society. Remedies. A study of the origin and growth, the elements, principles and forces of society in man's development from



earliest times. The institutions and problems of modern society; and the perfecting of human society through Christian ideals.

Three hours. Given every year.

## DEPARTMENT OF PHYSICAL EDUCATION

PROFESSOR HABERMANN

The purpose of this department is to create and foster a condition of vigorous health among the students of the college. Directed physical exercise is required of all students in their freshman and sophomore years. Four credits in this department are required for graduation.

### THE SYSTEM OF EXERCISES.

All work is graded, systematic, and thorough, with the game or content idea predominating for both men and women. A wholesome spirit of class rivalry is stimulated by class games and contests held at frequent intervals. In the fall and spring, outdoor games engage the attention of all students. For the young women there are tennis, baseball, and basket-ball; for young men football, tennis, basket-ball, baseball, and track athletics. Each branch of sport terminates in a tournament or meet for each class championship and honors. For the less robust students, games requiring less exertion are provided. Common physical defects are corrected by special exercises, the purpose in all the work being to build up and strengthen the body.

### THE GYMNASIUM.

Carroll College has a modern and well equipped gymnasium. It measures 40 x 73 feet, is eighteen feet in height, and is finished in Georgia pine. The gymnasium, together with the dressing rooms and shower baths, occupy the ground floor of Main Hall. There are windows on three sides affording sufficient sunlight,

and careful attention is given to ventilation. The inside lighting is by caged electric lights. There are two hand-ball courts in the gymnasium, and a basket-ball court. Above the gymnasium floor is a running track, and a punching bag platform.

### THE EQUIPMENT.

The apparatus includes everything necessary for indoor athletics. In connection with the gymnasium are the bathrooms provided with shower baths, and with a sufficient supply of hot and cold water. Adjoining the men's bathroom is the dressing room for the member of the athletic teams.

### INTERCOLLEGIATE ATHLETICS.

The students of the college engage in football, basket-ball, baseball, and track athletics. Carroll is a member of the Wisconsin Intercollegiate Athletics Association and participates each year in a number of contests with neighboring colleges. Carroll College stands for clean, wholesome athletics and adheres to the spirit, as well as the letter, of the regulations adopted by the conference colleges. While the college lends encouragement to intercollegiate athletics, it requires that this work be subordinated to regular work of the school. All intercollegiate contests are under the direction of the athletic association and the athletic committee of the faculty.

## DEPARTMENT OF PHYSICS

### PROFESSOR DANCEY

- 1, 2. A comprehensive outline of the principles of physics treating the general subjects of mechanics, heat, sound, electricity, magnetism, light and the History and Progress of Physics. The treatment is descriptive rather than mathematical. Theory and experiment

are carefully correlated in classroom and laboratory to the end that the student may gain a thorough grasp of physical principles. Text book, *College Physics* Kimball. Three lectures or recitations and three hours of laboratory per week. First and second semesters. Eight unit hours. Prerequisite, High School Algebra. College Algebra and Trigonometry should be taken as a parallel course. Open to freshmen.

3. Mechanics, Molecular Physics and Heat.

Three class room periods and a minimum of four hours of laboratory work per week. Text-book *Mechanics, Molecular Physics and Heat*, Millikan.

Prerequisite, Course 1. Four unit hours.

4. Electricity, Magnetism, Sound and Light.

Three class room periods and a minimum of four hours of laboratory work per week. Text-book *Electricity, Sound and Light*, Millikan and Mills.

Prerequisite, Course 1. Four unit hours.

Courses 2 and 3 are based upon fifty-one experiments in the subjects named. Each subject treated theoretically has its application in an experiment performed in the laboratory. Especially designed apparatus makes possible accurate quantitative results. The aim is to acquaint the student with methods and instruments of modern physical investigation and to give him a comprehensive grasp of the analytical theory involved. Students preparing to teach either science or mathematics, to follow engineering or chemistry, or to pursue advanced physics should elect these courses.

5, 6. Electricity, Magnetism and Electrical Testing.

The course is arranged for students of physics and electrical engineering. The theoretical discussions are accompanied by precise measurements of resistance, electromotive force, current, capacity and inductance

and practical electrical testing covering the operation of dynamos, motors and transformers.

Text-book *Electricity and Magnetism*, Starling. Experiments are taken from standard manuals. Class room two hours, laboratory three hours per week. Prerequisite, Physics 4 and Calculus. Six unit hours.

7. Light.

A study of Geometrical and Physical Optics based upon Edser's *Light for Students*. The course deals with the laws of reflection and refraction as illustrated in the more important optical instruments and with the development of the wave theory of Light. The laboratory work includes accurate measurements in interference, dispersion, diffraction and polarization. Class room two hours, laboratory three hours per week. Prerequisite, Physics 4. Three unit hours.

8. Heat.

A study of molecular physics, calorimetry, thermodynamics, radiation and pyrometry accompanied by accurate laboratory measurements. Text-book, Edser's *Heat for Advanced Students*. Prerequisite, Physics 4. Three unit hours.

9. Recent Advances in Physics.

A review of recent developments in the physical sciences dealing with radioactivity, X-rays, photoelectricity, electron theory and wireless telegraphy. Prerequisite, Physics 5, and 6. and Calculus. Three unit hours.

10. Theoretical Mechanics.

An advanced theoretical discussion covering the principles of statics and dynamics. The theory is accompanied by numerous practical problems chosen

largely from the field of engineering. The course is fundamental to the study of engineering, theoretical physics or celestial mechanics. Prerequisite, Math. 7 and Physics 1, 2. Three unit hours.

## DEPARTMENT OF PUBLIC SPEAKING

PROFESSOR MARSH

### 1, 2. Oral Reading and Speaking.

The voice and oral interpretation of literature; breath control, formation of sounds, pitch, emphasis, pauses, modulation, rate, etc. as means to effective reading aloud. Attention will be given to individual needs. Oral reading of English poetry and prose. Formal declamation exercises monthly. Extemporaneous speaking in second semester.

Bassett: *A Handbook of Oral Reading*. Required for all men in freshmen class. 1 hour a week.

### 3, 4. Oral Reading and Speaking.

The work of this course will proceed along the same lines as that of course 1, 2. Vocal interpretation of literature; conversation as the basis for convincing public speech. Private drill. Formal oral exercises monthly. (This course to be altered after 1919-1920. Bassett: *A Handbook of Oral Reading*. Required for all men in Sophomore class. One hour a week.

### 5, 6. Orations and Debate.

Study of the oration as a literary type; different forms of public address; analysis of famous speeches; original composition, revision, and training for public utterance. Analysis of a proposition for debate; brief-drawing, evidence, forms of argument, refutation, and the psychology of persuasion. Foster: *Argumentation and Debating* revised edition. Required for all intercollegiate orators and debaters. Elective for others. 3 hours a week.

7, 8. Seminar in Public Speaking.

Historic survey of oratory. Forensic masterpieces of Greece, Rome, and Continental Europe will be read in translation; famous British and American speeches; contemporary public speaking. Written and oral reports. Advanced study of composition and delivery. Practice coaching underclassmen. Open to seniors excelling in oral work and qualified to direct beginners. 3 hours a week. To be given in 1920-1921 and each year thereafter.

DEPARTMENT OF ROMANCE LANGUAGES

PROFESSOR CIPRIANI

FRENCH

1. Elementary French.

Training in pronunciation by means of practical phonetics; elements of grammar; conversation, reading and composition. Four hours. First semester.

2. Elementary French.

A continuation of the preceding course. Four hours. Second semester.

3. Intermediate French.

Continued study of grammar; reading, conversation, and composition. Three hours. First semester.

4. Intermediate French.

Rapid reading of modern French prose, chosen from Maupassant: *Neuf contes choisis*; Labiche et Martin, *le Voyage de monsieur Perrichon*; Sandeau, *Mademoiselle de la Seiglière*; Sand, *la Mare au Diable*, or equivalents. French Syntax. Translation into French. Three hours. Second semester.

5, 6. Outlines of French Literature.

Rapid survey of the principal periods of French literature, with some closer study of selections from the works of prominent writers. Three hours throughout the year.

ITALIAN

1. Elementary Italian.

Grammar and reading, with drill in conversation and composition. Four hours. First semester.

2. Elementary Italian.

Continuation of previous course. Four hours. Second semester.

SPANISH

1. Elementary Spanish.

Grammar, reading, drill in conversation and composition. Four hours. First semester.

2. Elementary Spanish.

A continuation of the preceding course. Four hours. Second semester.

(Spanish or Italian will be given alternately, according to demand by the students.)



# *The School of Music*

## FACULTY

HERBERT PIERREPONT HOUGHTON, Ph.D.

*President of the College*

CLARENCE E. SHEPARD

*Director of the School of Music, and  
Professor of Piano and Theory*

VERNA LEAN

*Professor of Vocal Music*

AIMEE LEVINE

*Assistant in Music*

ERNA SELMA LAU

*Assistant in Music*

ANTOINETTE KUEHN

*Assistant in Music*

JANET A. KUNZ

*Assistant in Vocal Music*

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The object of the Department of Music is to offer extensive courses in the practical and the theoretical study of all branches of the art and science of music, and to furnish instruction in such other subjects as may be considered necessary for the fullest development of the student's faculties, preparatory to the pursuit of music as a profession. It provides also for the study of music as an adjunct to general culture, or as an accomplishment.

Instruction is offered in piano, voice, organ, violin, and in history of music, harmony, counterpoint, composition, musical form and analysis, key-board harmony, harmonic analysis, solfeggio, ear-training, and methods in public school music. Special arrangements are made for students not

wishing to take up the literary work required for the degree of Bachelor of Music, but desiring to devote themselves more especially to the study of music with little or no collateral work and with a view of graduation either in the teachers' course or graduation class. However, it is expected that boarding students will take some literary studies. Students taking advanced work in music may be allowed thirty unit hours, twenty hours in theoretical music and ten in advanced applied music, towards the degree of Bachelor of Arts. No credit in practical music will be given until the student shall have completed two years' work in Theory, and no credit will be allowed for less than a year's work in Theory.

### ADVANTAGES

The advantages of instruction in a school of music, over private instruction are so manifold and varied and so obvious to the serious minded that merely to mention the most important will be sufficient. The faculty of the music department of a college is chosen with special reference to the fitness and ability of its members as teachers and artists. Theory and practice should be united in the successful study of music, and it is only a college with carefully chosen specialists in every department that can offer to the student the facilities necessary for securing a complete equipment as a musician and give him the necessary preparation for successful artistic work as teacher or virtuoso. Again, the atmosphere of a conservatory is in itself stimulating. The broadening and inspiring influence of a good college is inimical to the limited culture and narrow horizons to be avoided by music students of ambition and high ideals. A college cannot fail to create ambition and self-reliance among its students. By observation of the attainments of those who have acquired a higher degree of proficiency, the student is inspired to a greater effort, his forces are directed along right lines, and his perceptive and critical faculties are sharpened. Confidence and self-control are acquired by frequent performances before others, and the student is surrounded by influences helpful to the cultivation of a refined musical taste.

## RECITALS

Frequent recitals are given by members of the faculty and the students, the latter being thus enabled not only to cultivate their musical taste by hearing the best music interpreted by competent artists, but also to develop to the fullest extent their own ability for public performance. The close proximity of Carroll College to Milwaukee gives to the students practically the advantages of living in a musical center.

## COURSES IN MUSIC

- I. A four year course in Applied Music, Theory, and History of Music, with literary requirements leading to the degree of Bachelor of Music.
- II. A four year course in Applied Music, Thoery, and History of Music, leading to a diploma from the the School of Music.
- III. A two year Normal Course in Piano Methods.
- IV. A two year course in Vocal Methods.
- V. A two year course in Public School Music.

A Teacher's Certificate is given at the completion of Courses III and IV.

## REQUIREMENTS FOR DEGREE OF BACHELOR OF MUSIC

The following course leads to the degree of Bachelor of Music:

### *Freshman Year:*

Applied Music (Piano, Voice, Organ, or Violin): Two private lessons (half-hour each) and not less than eighteen hours practice per week.

Harmony, course 12, aa.

Ear-training and Solfeggio course 1c, 2c.

Keyboard Harmony, course 1b, 2b.

History of Music, course 13, 14.

Literary Studies.

### *Sophomore Year:*

Applied Music: Two private lessons (half-hour each) and not less than eighteen hours of practice per week.

Harmony, course 3a, 4a.

Key-board Harmony, course 3b, 4b.

Ear-training and Solfeggio, course 3c, 4c.

Musical Form and Analysis, course 17, 18.

Normal Methods, courses 29, 30.

Literary Studies.

### *Junior Year:*

Applied Music: Two private lessons (half-hour each) and not less than eighteen hours of practice per week.

Counterpoint, course 5, 6.

Musical Form and Analysis, course 19, 20.

Harmonic Analysis, course 15, 16.

Ensemble, course 23, 24.

Literary Studies.

### *Senior Year*

Applied Music: Two private lessons (half-hour each) and not less than eighteen hours of practice per week.

Counterpoint, course 7, 8 or

Composition, course 9, 10.

Practical Musicianship, course 11, 12.

Musical Appreciation, course 21, 22.

Ensemble, 23, 24.

Literary Studies.

In the above course the candidate for a degree must receive one-fourth of the total number of credits in literary studies required for the degree of Bachelor of Arts, that is, thirty-two.

Students finishing the course without the literary requirements will be granted a diploma from the School of Music.

Students finishing the sophomore year and taking the course in Normal Methods will be granted a Teacher's Certificate.

Candidates for a degree or diploma in voice must have at least two years of pianoforte study, but the Counterpoint 13, the Counterpoint 14, and the Composition 15, are not required and membership in the choral union or glee club may be substituted for the ensemble playing of the junior and senior years. One year of Italian and one year of French or German are required of vocal students for the degree of Bachelor of Music.

The course in violin is the same as in piano, except that orchestral rehearsals may be substituted in part for the ensemble work of the junior and senior years.

## PIANO

MR. SHEPARD, MISS LEVINE, MISS LAU, MISS KUEHN.

Careful attention is given to the playing of every conservatory pupil at whatever age he, or she, may enter the institution. The most approved and modern methods are sought out and utilized in developing the student's capabilities, talents, and individuality. The utmost care is given to the development of a good touch, a sensitive ear, rhythmical accuracy and stability, and a proper understanding of musical phrasing and expression. The scientific

principles underlying the technical methods of the modern pianist are fully explained and applied. While the standard classical composers are drawn upon for the greater part of the piano curriculum, the more modern romantic school is by no means neglected. The conservatory recognizes the fact that pianists of the present day should be versatile and many-sided in their artistic attainments, and to this end the piano course is planned from its most elementary stage. The method of instruction is based principally upon private lessons. The best results are obtained only by individual attention to the needs, and careful study of the artistic, mental, and physical capacity of each pupil.

During the sophomore year, students in the teacher's course will pursue the studies having a direct bearing on the best methods of imparting musical knowledge, and will survey in a general and systematic way the materials for musical education from the beginning to the attainment of a certain degree of proficiency. In order to make the instruction given in this department thoroughly practical, pupils of various grades are utilized, thus affording the normal students the greater advantage of doing actual teaching under the supervision of the experienced master.

Hand culture and gymnastic exercises to secure muscular control of arm, wrist, and fingers. Foundation technical exercises based on the Leschetizky system for the cultivation of the touch and for the formation of the hand and preparation for the proper execution of scales, arpeggios, and octaves.

*Etudes:* Loeschhorn, Gurlitt, Herz, Kullak, Pischna, Krause.

*Etudes:* Op. 45 and 46, Heller.

*Studies on Touch:* Wieck.

*Sonatinus:* Clementi, Dussek, and Kullim.

*Sonatas:* Hayden and Mozart.

Classic and modern compositions.

### *Freshmen and Sophomore Years.*

Advanced technical studies, scales, arpeggios, broken chords, octaves.

*Technical Studies:* Pischna and Joseffy.

*Studies in Velocity* and *The Art of Finger Dexterity:* Czerny.

*Two and Three-Voiced Inventions:* Bach.

*Octave Studies:* Kullak.

*Etudes:* Cramer.

*Sonatas and Pieces:* Haydn, Mozart, Beethoven, Händel, Weber, Schubert, Schumann, Mendelssohn, Chopin; and compositions by modern composers.

Sight playing and ensemble class work.

### *Junior and Senior Years:*

*Technical Studies:* Phillip.

*Gradus ad Parnassum:* Clementi.

*English Suites and Well-Tempered Clavichord:* Bach.

*Etudes:* Chopin, Litz, Rubenstein, Henselt, Maszkowski, etc.

*Pieces and Concertos:* Beethoven, Chopin, Schumann, Brahms, Saint-Saens, Liszt, etc.

Accompanying; sight playing; ensemble class work.

### *Post Graduate or Artist's Class.*

The artist school is especially designed for students who, having gained a theoretical knowledge, thorough and fundamental, and technical ability, are able to study the greatest works of classic and modern composers, and



who desire to reach a higher standard of excellence as artists. The intellectual and other artistic requirements are considerably greater than those for graduation. One object of this course is to provide the student artist with a varied deportment suited to his musical individuality and to his needs as a public performer.

## ORGAN

MR. SHEPARD

### FRESHMAN YEAR

Students must complete the preparatory school of the piano course before admission is granted to the organ department.

Lemmen's *Organ School*; Nilson's *Pedal Studies*; Guilman's *Practical Organist*; and smaller compositions for the church. The acquiring of an organ touch, both legato and staccato playing, and a systematic course of pedal playing. Choir accompanying and such work in improvisation and modulation as is essential to the church organist.

### SOPHOMORE AND JUNIOR YEARS

*Preludes, Fugues, and Choral Vorspiele* of Bach. Easier Sonatas of German and French schools. Church and concert music of all countries. Improvisations in the various forms and the playing of elaborate services, including the arrangement of piano accompaniments for the organ and the reading at sight of vocal scores. A comparative study of the organ and organ music with illustrations. Lectures on the history and construction of the organ in addition to the regular lectures on music and history.

### SENIOR YEAR

The sonatas and symphonies of all schools; the greater works of Bach and Liszt; and a study of the early compositions for organ and of concertos with orchestral accompaniment.

## VOICE

MISS LEAN

The course of study in this department includes:

(1) A thorough study of the essential principles of voice production and vocal technique, consisting of the correct use of breath, tone placement, legato, phrasing, and enunciation.

(2) A systematic study of the best vocal compositions, including works of the Italian, French, German, and English schools.

Careful attention is paid to the needs of each student, the course of instruction being based on the Italian school of training the voice. The purpose is to develop beautiful tone and an intelligent and artistic style of interpretation.

It is impossible to give a specified course of study, as the course necessarily varies for each student. The outline below indicates, in a general way, the character and extent of the work.

### FRESHMAN YEAR

Foundation work: Correct breathing and control of breath; tone production and placement; enunciation and phrasing.

Vocalises by Sieber and Concone.

Simple songs.

### SOPHOMORE YEAR

Continuation of above mentioned exercises and studies.

Special attention paid to range and flexibility.

Moderately difficult vocalises by Siber, Concone, Marchesi.

Artistic interpretation of moderately difficult songs of the German, Italian, French and English schools.

### JUNIOR YEAR

Advanced exercises, vocalises and songs. Standard compositions of classic, romantic, and modern composers.

### SENIOR YEAR

Difficult exercises, vocalises and songs. Arias from oratorios and operas.

## PUBLIC SCHOOL MUSIC

This course is designed to meet the needs of students who desire to become supervisors or special teachers of music in Normal, High, or Graded schools. All students enrolled in the Public School Music department will be required to take applied music in voice and piano to prepare them properly for their certificate. Participation in Glee Club or Chorus is required and is not counted as an elective credit. Demonstration, observation and practice teaching will be required.

### FIRST YEAR

Methods and demonstration, course 25, 26.

Harmony, course 1a, 2a.

Ear-training and Solfeggio, course 1c, 2c.

Applied Music.

English, course 1, 2.

Education, course 1, 2.

Electives.

## SECOND YEAR

Methods and Practices, course 27, 28.  
 Harmony, course 3a, 4a.  
 Ear-training and Solfeggio, course 3c, 4c.  
 Musical forms and analysis, course 17, 18.  
 History of Music, course 13, 14.  
 Musical appreciation, course 21, 22.  
 Electives.

## SCHOOL OF MUSIC—FEES

*For a Semester of Eighteen Weeks.*

Private lessons each week.	One Half-Hour Lesson	One Hour or Two Half-Hour Lessons
Mr. Shepard .....	\$27.00	\$54.00
Miss Lau .....	9.00	18.00
Miss Levine .....	9.00	18.00
Miss Kuehn .....	9.00	18.00

### VOICE

Miss Lean .....	\$27.00	\$54.00
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### ORGAN

Mr. Shepard .....	\$27.00	\$54.00
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# THEORY

(Class of six)

Freshman and Sophomore work ..... \$ 9.00  
 (Including all theoretical work  
 and History of Music.)

Junior and Senior Theory .....  
 Rate adjusted according to number in class.

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Public School Music ..... \$18.00

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Piano Practice—I hour per day..... \$ 3.00

# *General Information*

## STUDENT ORGANIZATIONS

Several voluntary organizations among the students serve to direct into useful channels the various phases of student interest and activity.

### THE STUDENT SENATE

The Student Senate is a committee composed of representatives from various designated groups of students, and representing in general the organized body of college students, or the "Assembly of Carroll Students." It considers matters of student interest and welfare, and makes recommendations to the Faculty and Student Assembly. It serves as an agency whereby student sentiment and initiative may be given expression and brought to bear upon the determination of matters of college policy and practice.

### STUDENT HOUSE GOVERNMENT ASSOCIATION

Definite questions of discipline and house government in the women's dormitory are regulated by the Student House Government Association. The administration of the constitution of this organization is centered in a House Council, composed entirely of students. The result of placing these problems of government in the hands of the young women has been to develop in a high degree those qualities of responsibility which are demanded of the college-trained woman.

### CHRISTIAN ASSOCIATIONS

Two active and prosperous Christian organizations, one the Young Men's Christian Association the other the Young Women's Christian Association, provide a center for the religious life of the college. These associations have their meetings for one-half hour at noon on Wednesdays, the young men and young women meeting in their sep-

arate halls. This meeting is frequently addressed by some member of the faculty or by one of the pastors of the city. These services furnish the occasion and means of help and inspiration to all who attend, and they promote the Christian spirit of the college.

These societies have provided and furnished attractive and homelike rooms for study and reading and conference, and welcome here all students of the college.

In addition to these a Young Peoples' Society of Christian Endeavor has been organized and maintained for several years. It has its weekly meetings on Sunday evenings and has been effective in promoting religious activities among the students of the college.

Another organization for Christian culture is the Student Volunteer Missionary Band in which the missionary interest of the college finds its center and occasion for expression.

### MUSICAL CLUBS

The musical organizations of the college, the Men's Glee Club and the Orchestra, supplement the work of the music department of the college, and afford valuable training in chorus and orchestra work. A concert tour is made each year by the Glee Club and the Orchestra.

### LITERARY SOCIETIES

Two societies for literary culture—Adelphi for young men, and Athena for young women—provide centers for stimulus for the impulse to independent, original literary expression. Their work consists of debates, studies of individual authors, orations, papers, book reviews, and discussion of events of present interest. They have furnished and equipped in attractive manner the halls provided for their use in Rankin Hall of Science.

### PHI ALPHA TAU

Phi Alpha Tau is an honorary fraternity, membership in which is conferred for distinguished work in any one or more of the forensic activities of the college.



## DELTA SIGMA NU (Honor Society)

This is a local organization, similiar in ideals to the national honor society, Phi Beta Kappa. Those students who, at the close of the first semester of Junior year, have attained a grade of 90 per cent are entitled to nomination by the Faculty to membership in the Delta Sigma Nu Society; such nomination is open also to those students who, at the close of the first semester of Senior year, have attained a grade of 87 per cent.

### MEMBERS ELECTED 1918:

From the Class of 1919:

Catherine Nye Davies

Roger Hawkes Lueck

Marian Thomas

From the Class of 1920:

Thomas Raymond Allston

Elizabeth Rumsey Stroh

### ORATORICAL LEAGUE

The Carroll College Oratorical League is composed of representatives of the college classes, and has control of the local debates and oratorical contests. Two preliminary contests, and one final contest, in oratory are held each year. The winners in the final contest are the representatives of the college in the annual contest of the Wisconsin Intercollegiate Oratorical Association.

### FRATERNITIES AND SORORITIES

Several fraternities and sororities exist among the young men and women of the college. These are under the supervision of the faculty. They have proved themselves wholesome influences in college life in that they

have been centers and agencies of social culture and sources of stimulus and incentive to effort in all departments of college life and activity.

### WITAWENTIN

Witawentin is an organization, membership in which is open to all young women of the college. Its purpose is to provide opportunity for wholesome association and social culture and specifically to promote such a social life as shall make its members more proficient in the fine art of living together.

### ATHLETIC ASSOCIATION

The Athletic Association represents the organized athletic interests of the college. Under its auspices the intercollegiate games in which the college participates are carried on. Detailed information of the athletic work of the college will be found in the statement of the Department of Physical Education.

### PUBLICATIONS

#### THE CARROLL ECHO

The *Carroll Echo* is edited and published by a staff appointed by the Echo Board of Control, which in turn is elected by the four college classes, and which has general supervision of the policy and conduct of the paper. The work in connection with this publication is co-ordinated with the academic work of the college, especially with courses in composition, and college credit, under reasonable restrictions, is given for it.

#### HINAKAGA

The junior class issues annually *Hinakaga*, a publication richly illustrated and representing all the varied interests of college life.

## THE BULLETIN

*The Bulletin* is issued quarterly and is edited by the President of the College.

## PUBLIC WORSHIP

A general convocation of the college is held at mid-day of each day that college is in session. A part of the time of this assembly is given to devotional purposes and a part to the presentation and discussion of matters of interest and importance to the college community.

The college maintains no regular Sunday service, but the churches of the city are glad to welcome the students to the fellowship and each student is expected to find a place in one of these churches.

## LECTURES

At frequent intervals lectures are given in the college chapel by men of note and distinction in the professions and in the various departments of business activity, an arrangement which affords the student the stimulus of contact with men who are leaders in thought and action.

## UNIVERSITY SCHOLARSHIP

The faculty of Carroll College is authorized by the University of Wisconsin to appoint each year a member of the graduating class of the college to a graduate scholarship in the University. This scholarship affords the incumbent an income of \$225 annually.

## SOCIAL LIFE

The demands of young people for recreation and their need of social culture and enjoyment receive recognition

and encouragement. Social events are restricted to Friday and Saturday evenings, and are participated in by members of the faculty and their wives.

Social gatherings must be reported to the President in advance and his approval secured.

## BOOK STORE

A college book store is maintained, on the ground floor of Main Hall, where books and other necessary supplies may be obtained at reasonable prices.

## EXPENSES

### COLLEGE FEES

The college year consists of 36 weeks and is divided into two semesters. Tuition bills are due in advance. No reduction is made for brief absences. If the tuition is not paid within two weeks after the beginning of the semester, \$1.00 is added. The rates are as follows:

College:

Tuition, per year, \$75.00.

Athletic, oratory, and *Echo* fees, per year, \$6.50.

Graduation fee, \$10.00.

### LABORATORY FEES

In all laboratory courses small fees are charged to cover the cost of material used in the laboratory. The fees, per semester, are as follows:

Chemistry, \$5.00.

Biology, \$2.50.

Physics, \$3.00.

Surveying, \$3.50.

Household Arts, \$5.00.

An annual breakage deposit of \$5.00 in Chemistry will be required of each student. This deposit, or such part of it as has not been charged against the student for breakage, will be refunded at the close of the year.

Laboratory fees must be paid in advance. Under no conditions will they be refunded.

### LIVING EXPENSES FOR MEN

A very important part of the expenses for students is the cost of living; therefore every effort is made to keep this as low as possible. Excellent rooms, convenient to the college, may be had at from \$1.00 to \$2.00 per week. Table board may be obtained in private families at a rate similiar to that charged by the college.

### LIVING EXPENSES FOR WOMEN

The rooms of the Elizabeth Voorhees Dormitory are single or double, or may be used en suite. Each occupant of a room has her own closet. The price of rooms, including heating and lighting, ranges from \$18.50 to \$31.50 per semester. The rate for table board is \$5.00 per week, subject to change. Rooms are furnished with college cot, mattress, pillow, study chairs, dresser with mirror, wash stand, bowl and pitcher. The floors are of hard wood and students desiring rugs may furnish them. Bedding, window curtains, couch covers, table covers, napkins, and all other articles of convenience or adornment are furnished by each student.

Single rooms are 9 x 13 feet, and double rooms 12½ x 13½ feet; windows, 38 x 64 inches; study tables, 2 x 3 feet.

Application for admission should be made early. A deposit of \$5.00 is required from those engaging rooms, and a choice will be made according to such application. The deposit may be returned if the engagement is cancelled three weeks before the opening of the semester.

There are many opportunities in the city for self-help. Most students desiring to help themselves can secure a considerable portion of their expenses during the year. Several young ladies find opportunities as helpers in homes for their board, and young men are able to find work in the home, offices and factories of the city.

### SUPERVISION

It is the purpose of the college to encourage self-government and to grant to students as much freedom as is consistent with their best interests and with the good order of the college.

Non-resident young women are required to live in the dormitory.

Whenever it becomes apparent that a student's influence is harmful to other students, he will be requested by the faculty to leave the college.

Students who have not at least a fair ability to acquire knowledge, and a reasonable willingness to study, will not be allowed to remain in college.

### STUDY HOURS

Students are required to keep regular hours, setting apart at least two hours each evening, or the equivalent of this, for home study.

### EXAMINATIONS AND GRADES

Such tests and recitation period examinations are given from time to time as instructors may think necessary. At the close of each semester, four days are set apart, on which instructors give examinations covering a part, or the whole, of the semester's work. Full reports,

embracing the work of each semester, are sent to the parents for their inspection.

The examinations given at the end of each semester together with the recitation record and tests given by the instructors at suitable times during the semester form the basis for a final semester standing. These standings are recorded with the letters A, B, C, D, E. A, B, C, represent passing grades, D a condition, and E a failure. A condition may be removed by examination taken not later than the end of the semester following that in which it was incurred. A record of failure requires that the study be taken in class recitation.

Any student who shall be absent from any examination, quiz, or test, or shall have forfeited his class standing by absence or otherwise, shall be required to take a special examination and to pay a fee of one dollar for such examination.

When a student has failed or has been conditioned in a subject the work should be completed at as early a date as possible, and such work must take precedence over elective or advanced work.

A condition not removed during the semester following that in which it is imposed becomes a failure. *All failures and conditions must be made up before a degree will be granted.*

#### ATTENDANCE

Students must be prompt and regular in attendance. Tardiness and absence are fatal to good work. The authorities of the college believe that the measure of value which the student derives from his work should be estimated, not by written examinations alone, but also by regular attendance in the class-room and careful preparation of assigned work. Work may be made up; thus the daily grade is raised, but a deduction must be made from the final grade of the semester.

Students are required to attend the daily chapel service, but are allowed eight absences each semester.



The number of absences from classes permissible in each semester without loss of credit is equal to the number of hours for which the study is scheduled per week. When the excess absences from recitation in any subject equal its number of weekly hours, the student will be dropped from the course.

A student is excused from attendance at chapel service only if necessary outside work compels his absence.

Any absence immediately before or immediately after a vacation shall equal two incurred at any other time.

No student is permitted to drop a study without permission from the faculty. A study so dropped without permission will be recorded as a failure.

## DEGREES CONFERRED JUNE, 1919

### BACHELOR OF ARTS

Eileen Mathilda Bergholte.

Mary Edna Bibby.

Elsie Estelle Carnahan.

Catherine Nye Davies (*cum laude*).

Earl Clayton Fontaine.

Felix J. Hanson.

Marjorie Wallace Hudnall.

Ruth Doreen Kline.

Stella Elmira LeSuer.

Katherine Henrietta Lohuis.

Willard O. Mishoff.

Edith Winifred Nesbitt.

Raymond Neil Peterson.

Margaret Jane Richards.  
Robert Edgar Riegel.  
Anna Belle Ritchie.  
Marian Thomas.  
Marian I. Tower.  
Marion E. Tubbs.  
Evadne Belle Will.

#### BACHELOR OF SCIENCE

William McKinley Holmes.  
Roger Hawkes Lueck (*cum laude*).

#### BACHELOR OF MUSIC (Piano).

Erna Selma Lau.

#### CERTIFICATES

##### CERTIFICATE IN LITERARY INTERPRETATION

Eileen Mathilda Bergholte.  
Marion I. Tower.  
Lorraine Maria Wilson.

##### CERTIFICATE IN MUSIC

Gertrude Elizabeth Breese (Normal Methods in Piano).  
Ruth Doughty (Normal Methods in Piano).  
Margaret Elizabeth Edwards (Normal Methods in Piano)  
Rowena Faye Jackson (Normal Methods in Piano)  
Dorothy Lucille Werbkke (Public School Music)

#### HONORARY DEGREE

##### DOCTOR OF LETTERS

Henry Coe Culbertson, President of Ripon College.

# Enrollment 1919-1920

## COLLEGE

### SENIOR CLASS

Allston, Thomas R.....	E. McKeesport, Pa.
Arevalo, Jose D. ....	821 E. Broadway, Waukesha
Calvert, Chrissie.....	DesPlaines, Ill.
Christoph, Stanley.....	219 Carroll St., Waukesha
DeLacey, Eugene B.....	908 Pleasant St., Waukesha
Finley, Frances D.....	501 East Ave., Waukesha
Ford, Edna.....	256 E. Merrill St., Fond du Lac
George, Jessica.....	15 North High St., Janesville
Graaskamp, Clifford J.....	624 - 29th St., Milwaukee
Hays, Robert W.....	3912 Pabst Ave., Milwaukee
Henke, Harold E.....	1120 Ash St., Baraboo
Hill, Wilford P.....	Dousman
Hoelz, Simon J.....	666 Pine St., Burlington
Houmes, Cornelius .....	Sheybogan Falls
Johnstone, William W..	201 N. Ridgeland Ave., Oak Park, Ill.
Levine, Aimee .....	419 McCall St., Waukesha
Lloyd, John.....	421 Maple Ave., Waukesha
MacMillan, John W.....	Oconto
Matthews, Van A.....	425 Maple Ave., Waukesha
Merriman, Cecil.....	Oxford
Niven, Thomas R.....	314 W. 105th St., Chicago, Ill.
Noble, Russell.....	241 E. Park Ave., Waukesha
Peterson, Harold W.....	Waupaca
Prange, Eric B.....	Reedsburg
Roth, Frances.....	1902 Hammond Ave., Superior
Steinert, Ella.....	Washburn
Stroh, Elizabeth R.....	200 College Ave., Waukesha
Tipple, Florence.....	Oregon
Thiele, Carl F.....	610 S. Webster Ave., Green Bay
Weckmueller, Herbert.....	693 1/2 - 32nd St., Milwaukee
Wilson, Lorraine M.....	Lancaster
Wooster, Ethel M.....	Avon, Ill.
Young, William L.....	Waukesha

## JUNIOR CLASS

Batha, Vincent P.....	Phillips
Campbell, Eleanor .....	407 Bethesda Ct., Waukesha
Daane, Cornelius P.....	Oostburg
Daum, Adam J.....	3965 Cottage Ave., St. Louis, Mo.
Davis, Lillian.....	Prairie du Sac
Dobson, Lucille.....	Rochester
Dunn, Lucille S.....	1605 Hughitt Ave., Superior
Elliott, Wm. G. ....	916 Second St., Escanaba, Mich.
Findlay, Myrtle Buell.....	212 West 6th St., Superior
Fontaine, LaMont.....	787 - 42nd St., Milwaukee
Gollmar, Leora F.....	Baraboo
Hansen, Melvin A.....	Union Grove
Haugen, Alfred E.....	429 Grand Ave., Waukesha
Hertz, Clyde E.....	510 Maple Ave., Waukesha
Huenink, Wilma K.....	Cedar Grove
Jeffery, Ethel.....	Templeton
Jones, Robert R.....	Wild Rose
Junemann, Harold E.....	614 Hamilton Ave., Waukesha
McKenzie, Mary L.....	Itasca, Ill.
McManus, Marion.....	Oregon
Mattas, Ruth.....	1900 So. Troy St., Chicago, Ill.
Moran, Lelah.....	396 W. Main St., Waukesha
Nott, Herman A.....	1192 Ninth St., Milwaukee
Paddock, Perry M.....	LaValle
Peiterson, Peter.....	261 McDonald St., Oconto
Rodgers, Paul.....	409 McCall St., Waukesha
Showalter, Clarence E.....	969 - 15th St., Milwaukee
Smith, Martha J.....	216 Parrott St., Dayton, Ohio
Smith, Donald P.....	130 James St., Waukesha
Tichenor, Helen.....	410 East Ave., Waukesha
Wagenseller, John R.....	Fairbury, Ill.
Will, Robert J. ....	Denison, Kan.
Wilson, Carolyn.....	Hebron, Ill.
Windau, Emma H.....	616 - 30th Ave., Milwaukee

## SOPHOMORE CLASS

Aker, Howard M.....	Rhineland
Andrus, Abner M.....	Abbotsford
Bierke, Edward C.....	626 No. Irwin Ave., Green Bay
Bray, George A.....	No. Prairie

Brunette, Vernon L.....621 Clay St., Green Bay  
 Busse, Samuel D.....327 Hartwell Ave., Waukesha  
 Calvert, Miriam.....DesPlaines, Ill.  
 Christiansen, Marti H.....206 Carroll St., Waukesha  
 Christoph, Earle.....221 E. Park Ave., Waukesha  
 Dewey, Kenneth A.....1715 No. Fifth St., Sheboygan  
 Dumdey, Caroline O.....823 Hamilton St., Manitowoc  
 Engler, Hugo F.....814 Clinton St., Waukesha  
 Engler, Henry A.....814 Clinton St., Waukesha  
 Engler, John L.....814 Clinton St., Waukesha  
 Glass, Leroy H.....Phillips  
 Graaskamp, Arnold.....624 - 29th St., Milwaukee  
 Grimmer, Wm. D.....536 Jackson St., Green Bay  
 Guerin, Leon H.....996 Second St., Milwaukee  
 Hamilton, Catherine.....Arena  
 Hardt, Annabelle M.....519 Munroe St., Neenah  
 Heagle, Dorothy.....1239 Cherry St., Green Bay  
 Held, Rutherford R.....550 Maryland Ave., Milwaukee  
 Hermes, Charlotte.....1027 Washington Ave., Racine  
 Hirth, Helen.....393 So. Main St., Fond du Lac  
 Holt, Orley C.....145 E. Park Ave., Waukesha  
 Hollander, Rynold F.....Packwaukee  
 Howard, Leora.....725 Farwell Ave., Milwaukee  
 Howard, Matie M.....141 E. Park Ave., Waukesha  
 Ihrig, Monteith.....415 Broadway, Waukesha  
 Jones, Logan.....520 Dunbar Ave., Waukesha  
 Jacques, George.....Delafield  
 Kapitan, Florence M.....832 No. 7th St., Manitowoc  
 Kennedy, Clarence E.....608 Lake St., Waukesha  
 Kennedy, Claude C.....608 Lake St., Waukesha  
 Kent, Hubert J.....Wautoma  
 Lau, Norbert J.....Hartford  
 Levin, Frank K.....Grand Rapids  
 McLean, Bernice C.....Marinette  
 Mishler, James M.....Mt. Morris, Ill.  
 Morgan, Aileen.....Wilmot  
 Morgan, Ruth.....Wilmot  
 Mundt, Evelyn A.....1226 Merryman St., Marinette  
 Nelson, Dorothy.....Arena  
 Orr, Fay B.....Mellen  
 Orvis, Carl G.....437 West Park Ave., Waukesha

Quinn, Ivan.....	R. R. 2, Waukesha
Roth, Elsa T.....	1802 Hammond Ave., Superior
Schiffman, Estelle.....	407 Barney St., Waukesha
Schmidt, Louis A.....	612 - 27th St., Milwaukee
Shepard, Florence B.....	Horicon
Smith, Irene E.....	Arena
Spaar, Edwin A.....	White Lake
Stanford, Warren.....	168 Davis St., Ishpeming, Mich.
Swain, William M.....	124 Cook St., Waukesha
Walvoord, Ethel.....	1809 No. Fifth St., Sheboygan
Westphal, F. Gilbert.....	850 - 39th St., Milwaukee
Wied, Elizabeth C.....	R. R. 3, Waupaca
Wilson, John H.....	Hebron, Ill.
Yost, Harrington.....	Mosinee
Young, Harvey P.....	220 West No. Water, Neenah
Zepp, Orville.....	Edgar

#### FRESHMAN CLASS

Abels, Catherine .....	424 McCall St., Waukesha
Adams, Beatrice.....	Dousman
Adkisson, Fannie.....	Roseville, Ill.
Adkisson, Mildred.....	Roseville, Ill.
Albee, Vera.....	Waterford
Albee, Ruth.....	Waterford
Armstrong, Agnes E.....	Oconto
Belz, Margaret E.....	Athens
Berrigan, May E.....	617 No. Center St., Beaver Dam
Beernink, Clarence.....	408 - 32nd Ave., Milwaukee
Borchardt, Lee J.....	308 Hendricks St., Merrill
Brandt, Albert J.....	Osceola
Brandsmark, Anna.....	118 W. Columbia Ave., Neenah
Carpenter, Joseph D.....	516 Huron St., Waukesha
Carnahan, Marjorie.....	309 College Ave., Waukesha
Carsten, Allen D.....	R. F. D. 7, Waukesha
Casson, Lloyd.....	903 Water St., Marinette
Clark, Lawrence H.....	201 E. Avenue, Waukesha
Clark, Marietta.....	Pewaukee
Connell, Hazel M.....	Colgate
Conrad, Jessie S.....	208 Charles St., Waukesha
Cook, William J.....	Commonwealth
Davis, Lucille.....	Prairie du Sac



Davis, Stanley E.....	1401 Elizabeth Ave., Marinette
Deitzel, Clarence.....	1849 - 15th Place, Moline, Ill.
Deitzel, Russell.....	200 Park Place, Waukesha
Downey, Eugene M.....	1008 Caroline St., Waukesha
Edstrom, Helmer T.....	409 Cleveland Ave., Manitowoc
Estburg, Kathleen G.....	234 Oneida St., Milwaukee
Evert, Lorraine.....	Pewaukee
Fender, Dave.....	506 Bethesda Ct., Waukesha
Finley, Georgia I.....	724 E. Main St., Waukesha
Gillette, Henry.....	428 Barney St., Waukesha
Greengo, Buelah V.....	519 - 52nd St., Milwaukee
Grover, Stanley B.....	209 Charles St., Waukesha
Hutheil, Byron W.....	222 Randall St., Waukesha
Gaul, Charles R.....	115 Lafin Ave., Waukesha
Hammarlund, Ebba.....	Norway, Mich.
Hanover, William H.....	113 Dallas St., Adrian, Mich.
Hardaker, Merle E.....	Mukwonago
Hintze, Theo. A.....	1103 College Ave., Beaver Dam
Hood, Robert W.....	No. Prairie
Honeyager, Anna.....	235 Maria St., Waukesha
Howland, Gerald B.....	Merrill
Huenink, Deloyd.....	Cedar Grove
Jones, Belle.....	Cornell
Jones, Frances.....	Cornell
Judin, Frances.....	305 Broadway, Waukesha
Kelly, Bernice E.....	1019 Caroline St., Waukesha
Kennedy, Agnes.....	608 Lake St., Waukesha
Keuper, Irene E.....	418 East Ave., Waukesha
Klein, Walter E.....	Ellsworth
Korn, Earl P.....	202 James St., Waukesha
Kuranz, Alfred.....	Bangor
Kalkhurst, Stanley O.....	119 Washington St., Beaver Dam
Latimer, Byrnic B.....	109 East Ave., Waukesha
Lean, Olive C.....	Dousman
Lee, Wilma J.....	Blue River
Leininger, Elmer.....	615 Beechwood Ave., Waukesha
LeMahieu, Jesse.....	Waldo
Loven, Leo C.....	Rio
Lyons, Harvey J.....	129 West Ave., Waukesha
McFarland, Vern W.....	331 Fourth Ave., Baraboo



Mann, Clark E.....R. R. 1, Waukesha  
 Mattas, Olga Irene.....1900 So. Troy St., Chicago, Ill.  
 Medley, George H.....1955 Washington Blvd., Chicago, Ill.  
 Mohlke, William A.....Nekoosa  
 Morey, Robert.....R. R. 9, Waukesha  
 Mulrine, Virginia.....722 Michigan Ave., Sheboygan  
 Munro, Hugh K.....Cambridge  
 Munro, D. Malcolm.....Cambridge  
 Olson, Edwin A.....Florence  
 Panella, Nicholas J.....122 Barstow, Waukesha  
 Pantzer, Eugene E.....2025 No. Sixth St., Sheboygan  
 Peterson, Marie V.....1713 Wyoming Ave., Superior  
 Peterson, Allan R.....Florence  
 Plumb, Mildred H.....213 W. Merrill St., Beloit  
 Rankin, Ruth.....Pewaukee  
 Richardson, Stanford.....514 First St., Baraboo  
 Ryerson, Elleanor M.....R. R. 2, Pewaukee  
 Sales, Fred J.....Colgate  
 Schatz, Walter.....523 Hartwell Ave., Waukesha  
 Schofield, Chester A.....103 Third St., Merrill  
 Schroeder, Laura H.....654 Gaston Drive, Beloit  
 Schwedler, Clarence.....118 Cross St., Oconto  
 Sherman, Rose.....Winnebago  
 Sommer, Clarence Lee.....117 E. Park Ave., Waukesha  
 Spillard, LeRoy E.....330 Hendee St., Elgin, Ill.  
 Stevens, Bessie M.....1025 Washington Ave., Racine  
 Stewart, Robert J.....401 Central Ave., Waukesha  
 Stiles, Edith.....1023 Josephine St., Marinette  
 Sutter, Frances E.....5726 Kenwood Ave., Chicago, Ill.  
 Tichenor, Margaret V.....410 East Ave., Waukesha  
 Tipler, Perry A.....311 Isabella St., Neenah  
 Thomas, Gerald S.....1119 Buckley Ct., Waukesha  
 Trethewey, Lois.....Norway, Mich.  
 Treviranus, Myles.....626 Adams St., Wausau  
 Turner, Chas. M.....Hartford  
 Van Adestine, Robert.....919 Washington St., Wausau  
 Van Male, Oliver.....Milwaukee  
 Wagner, Almore C.....1806 Eleventh St., Marinette  
 Waring, Franklyn.....Florence  
 Weaver, Adelaide R.....Pewaukee  
 West, Amelia.....R. R. 2 - Box 56D, Waukesha

Wichman, Alton Edward.....	728 Pleasant St., Waukesha
Wilcox, Herbert B.....	405 East Ave., Waukesha
Williams, Vernon .....	Dousman
Williams, Anna Jane.....	R. R. 9, Waukesha
Williams, Blodwen E.....	R. R. 9, Waukesha
Wolf, Estella M.....	1703 Jefferson Ave., Waukesha
Wright, Donald.....	Mosinee
Zerull, Leland D.....	912 Pierce Ave., Marinette

## SPECIAL STUDENTS

Daniel, LaVona.....	1614 Grand Ave., Milwaukee
Dyas, Joseph C. ....	Baltimore, Md.
Friz, Henry Nelson.....	205 McCall St., Waukesha
Gilmore, Jane.....	134 Ridhard Ave., Dover, N. J.
Grow, Esther.....	Waukesha
Holt, Louise.....	145 E. Park Ave., Waukesha
Kruka, A. Josephine.....	Resthaven, Waukesha
Lepgold, Hyman.....	314 Fourth St., Milwaukee
Miller, Inga.....	400 Granite St., Waupaca
Mix, Helen.....	200 Laflin Ave., Waukesha
Mix, Ernest.....	200 Laflin Ave., Waukesha
O'Neill, Patrick.....	Resthaven, Waukesha
Overton, Maude.....	324 West Ave., Waukesha
Woods, Nella.....	Resthaven, Waukesha

## GEOGRAPHICAL DISTRIBUTION

Wisconsin.....	126
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Ohio .....	1
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Missouri .....	1
Pennsylvania .....	1
New Jersey .....	1
Maryland.....	1

# SCHOOL OF MUSIC

## PIANO

Albee, Vera.....	Waterford
Bancroft, Florence.....	Waukesha
Bancroft, Verna.....	Waukesha
Bartlett, Bessie.....	Pewaukee
Belz, Margaret.....	Athens
Blaisdell, Henry Ward.....	Waukesha
Blaisdell, Margaret.....	Waukesha
Bloom, Evelyn.....	Waukesha
Burmeister, Kathryn.....	Waukesha
Burmeister, Harold.....	Waukesha
Burnell, Mildred.....	Waukesha
Carnahan, Robert.....	Waukesha
Chapman, Helen.....	Waukesha
Christoph, Earle.....	Waukesha
Cooper, Estelle.....	Waukesha
Emslie, Bernice.....	Waukesha
Erdman, Helen.....	Waukesha
Estburg, Frances.....	Waukesha
Faber, Yvonne.....	Oshkosh
Fell, Gertrude.....	Oshkosh
Gaspar, Grace.....	Waukesha
Gingles, Russell.....	Waukesha
Goerke, Delbert.....	Waukesha
Goodwin, Doris.....	Waukesha
Gumm, Frances.....	Waukesha
Hanson, Muriel.....	Waukesha
Harding, Judith.....	Waukesha
Hayes, Robert.....	Milwaukee
Hertz, Mary.....	Waukesha
Houghton, Virginia.....	Waukesha
Humbert, Gertrude.....	Waukesha
Hunter, Jean.....	Waukesha
Jacob, Janet.....	Waukesha
Jones, Marion.....	Waukesha
Jones, Belle.....	Cornell
Kaufmann, Dorothy.....	Waukesha
Kern, Esther.....	Waukesha

Kern, Esther.....	Waukesha
Kern, Grace.....	Waukesha
Kimball, Dorothy.....	Waukesha
Kimball, Mabel.....	Waukesha
Kolb, Alva.....	Waukesha
Kraft, Warren.....	Waukesha
Kuehn, Antoinette.....	Waukesha
Kuenzli, Janet.....	Waukesha
Lau, Erna.....	Waukesha
Lee, Maude.....	Waukesha
Levine, Aimee.....	Waukesha
Lewis, Marion.....	Waukesha
Lloyd, Winnifred.....	Waukesha
Logan, Evelyn.....	Waukesha
Logan, Ruth.....	Waukesha
Love, George.....	Waukesha
Love, Marion.....	Waukesha
Love, Marjorie.....	Waukesha
Love, Mildred.....	Waukesha
Martin, Florence.....	Waukesha
Martin, Russell.....	Waukesha
Martin, Helen.....	Waukesha
McGill, Mary.....	Lisbon
McLean, Bernice.....	Marinette
Meininger, Louella.....	Waukesha
Mundt, Evelyn A.....	Marinette
Oatway, Margaret.....	Waukesha
Oium, Geneva.....	Oshkosh
Oium, Genevieve.....	Oshkosh
Pantzer, Eugene.....	Sheboygan
Prothero, Blanche.....	Waukesha
Roth, Elsa.....	Superior
Salen, Jeanette.....	Waukesha
Seaborn, Helen.....	Waukesha
Sederholm, Louise.....	Genesee
Schaub, Romain.....	Waukesha
Schley, Norman.....	Waukesha
Schley, Gladys.....	Waukesha
Schlicher, Ethel.....	North Prairie
Schroeder, Laura.....	Beloit
Sherman, Letha.....	North Prairie

Spillman, Virginia.....	Waukesha
Spillman, Florence.....	Waukesha
Sproesser, Minnie.....	Watertown
Stare, Jane.....	Waukesha
Stevens, Bessie.....	Racine
Stiles, Edith.....	Marinette
Torhorst, Hawley.....	Waukesha
Trakel, Florence.....	Waukesha
Wallace, Wilma.....	Waukesha
Walvoord, Ethel.....	Sheboygan
Wendt, Lenora.....	Waukesha
West, Kathryn.....	Oshkosh
Williams, Margaret.....	Waukesha
White, Lucile.....	Waukesha
Wolf, Oleen.....	Waukesha
Wrighton, Phyllis.....	Waukesha
Zickerick, Frederick.....	Waukesha
Zickerick, Wm.....	Waukesha
Zillmer, Harvey.....	Waukesha

## VOICE

Anderson, Ruth.....	Waukesha
Arevalo, Julia Diehm.....	Waukesha
Belz, Margaret.....	Athens
Carnahan, Marjorie.....	Waukesha
Daniel, LaVona.....	Milwaukee
Davis, Lucille.....	Prairie du Sac
Estburg, Frances.....	Waukesha
Fenlon, Violet.....	Waukesha
Goerlitz, Augusta.....	Waukesha
Goff, Dorothy.....	Waukesha
Gutheil, Byron.....	Waukesha
Hitzman, Elmer.....	Waukesha
Huenink, Wilma.....	Cedar Grove
Kissel, Mabel.....	Waukesha
Kunz, Janet A.....	Delafield
Lau, Arthur.....	Hartford
Lean, Olive.....	Dousman
Maynard, Wilfred.....	Waukesha
Mulrine, Virginia.....	Sheboygan

Mundt, Evelyn.....	Marinette
Pearce, Emma J.....	Waukesha
Roth, Frances.....	Superior
Shepard, Florence.....	Horicon
Smart, Mrs. F. E.....	Waukesha
Stiles, Edith.....	Marinette
Stroh, Elizabeth.....	Waukesha
Swain, Maurice.....	Waukesha
Westphal, F. Gilbert.....	Milwaukee
Williams, Anna.....	Wales

## PUBLIC SCHOOL MUSIC

Belz, Margaret.....	Athens
Mundt, Evelyn.....	Marinette
Stiles, Edith.....	Marinette

## SUMMARY

Total enrolled in college .....	254
Total enrolled in music school .....	129
Less Duplicates.....	34
Net Total.....	349



# Carroll College Program of Classes 1919-1920

Hour	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00	Bible ..... 3, 4 Biology .... 7, 8 Econ.(Soc.) 9, 10 English .... 11, 12 History ... 1, 2	Education.. 3, 4 English ... 15, 16 Public Spkg 1, 2a Italian .... 1, 2 Biology ... 1, 2	Chemistry .13, 14 Latin ..... A Physics .... 1, 2 Dramatic Lit 5, 6 Spanish ... 1, 2 English ... 9, 10	English ... 13, 14 Latin ..... 1, 2 Physics .... 3, 4 Public Spkg. 7, 8	Chemistry . 1, 2 English ... 3, 4 History ... 5, 6 Latin ..... 7, 8 Mathematics 5, 6 Public Spkg. 5, 6 Dramatic Lit.1, 2
8.55	Bible ..... 1, 2a Greek ..... 3, 4 Mathematics 3, 4 Philosophy . 1, 2 DramaticLit 3, 4 Gymnasium 1, 2(m)	Bible ..... 7, 8 Chemistry . 4 Economics . 1, 2 English ... 1, 2 Greek ..... 1, 2 DramaticLit 9, 10 Gymnasium 1, 2(m)	Chemistry . 1, 2 English ... 3, 4 History ... 5, 6 Latin ..... 7, 8 Mathematics 5, 6 Public Spkg. 5, 6 DramaticLit 1, 2 Gymnasium 1, 2(m)	Bible ..... 3, 4 Biology ... 7, 8 Econ.(Soc.) 9, 10 English ... 11, 12 History ... 1, 2 DramaticLit 7, 8 Gymnasium 1, 2(m)	Biology ... 3, 4 Chemistry . 6 Education.. 1, 2 Psy Mathematics 9, 10 DramaticLit1, 12 French .... 1, 2 Gymnasium 1, 2 (m)
9.50	Chemistry .13, 14 Latin ..... A Physics .... 1, 2 DramaticLit 5, 6 Spanish ... 1, 2 English ... 9, 10 Gymnasium 3, 4(m)	English ... 13, 14 Latin ..... 1, 2 Physics .... 3, 4 Public Spkg 7, 8 Gymnasium 3, 4 (m)	Biology ... 3, 4 Chemistry . 6 Education . 1, 2Psy Mathematics 9, 10 DramaticLit1, 12 French .... 1, 2 Gymnasium 3, 4(m)	Bible ..... 1, 2b Greek ..... 3, 4 Mathematics 3, 4 Philosophy 1, 2 DramaticLit 3, 4 Gymnasium 3, 4(m)	Bible ..... 5, 6 Biology ... 5, 6 English ... 5, 6 Mathematics 13, 14 French .... 3, 4 Gymnasium 3, 4(m)
10.45	Chemistry . 1, 2 English ... 3, 4 History ... 5, 6 Latin ..... 7, 8 Mathematics 5, 6 Public Spkg 5, 6 DramaticLit 1, 2	Bible ..... 3, 4 Biology ... 7, 8 Econ.(Soc.) 9, 10 English ... 11, 12 History ... 1, 2	Bible ..... 5, 6 Biology ... 5, 6 English ... 5, 6 Mathematics 13, 14 French .... 3, 4	Chemistry .13, 14 Latin ..... A Physics .... 1, 2 DramaticLit 5, 6 Spanish ... 1, 2 English ... 9, 10	Chemistry .11, 12 History ... 3, 4 Library Sci 1, 2 Philosophy 3, 4 Public Spkg 3, 4 Mathematics 1, 2
11.40	CHAPEL				



Hours	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
1.15	Biology ... 3, 4 Chemistry ... 3, 6 Education ... 1, 2 Mathematics 9, 10 DramaticLit 11, 12 French ... 1, 2	Greek ... 3, 4 Mathematics 3, 4 Philosophy 1, 2 DramaticLit 3, 4	Chemistry .11, 12 History ... 3, 4 Library Sci 1, 2 Public Spkg 3, 4 Philosophy 3, 4 Mathematics 1, 2	Laboratory  Household Science .... 3, 4	Education... 3, 4 English ... 15, 16 Public Spkg 1, 2b Italian ... 1, 2 Biology ... 1, 2
2.10	Bible ..... 5, 6 Biology ..... 5, 6 English ..... 5, 6 Mathematics 13, 14 French .... 3, 4	Laboratory  Household Science .... 1, 2	Education... 3, 4 English .... 15, 16 Italian .... 1, 2 Biology ... 1, 2	Laboratory  Household Science .... 3, 4	Bible ..... 7, 8 Chemistry ... 4 Economics . 1, 2 English ... 1, 2 Greek ..... 1, 2 DramaticLit 9, 10
3.05	Chemistry .11 History ... 3, 4 Library Sci 1, 2 Philosophy 3, 4 Public Spkg 3, 4 Mathematics 1, 2	Laboratory  Household Science .... 1, 2	Bible ..... 7, 8 Chemistry . 4 Economics . 1, 2 English ... 1, 2 Greek ..... 1, 2 DramaticLit 9, 10	Laboratory	English ... 13, 14 Latin ..... 1, 2 Physics ... 3, 4 Public Spkg 7, 8
4.00	Gym. (w) : 1, 2 Gym. (w) : 3, 4	Gym. (w) : 1, 2 Gym. (w) : 3, 4	Gym. (w) : 1, 2 Gym. (w) : 3, 4	Gym. (w) : 1, 2 Gym. (w) : 3, 4	Gym. (w) : 1, 2 Gym. (w) : 3, 4

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UNIVERSITY OF ILLINOIS-URBANA



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